



G E O D E S I G N
INCORPORATED

GEOTECHNICAL ENGINEERS AND ENVIRONMENTAL CONSULTANTS

March 22, 2006

File No. 0663-2.0

Mr. John J. Kazmarski, P.E.
Town of Enfield
Department of Public Works
40 Moody Road
Enfield, Connecticut 06082

Re: Preliminary Soil & Groundwater Sampling Results
Enrico Fermi High School
Enfield, CT

Dear Mr. Kazmarski:

GeoDesign, Inc (GeoDesign) has completed a preliminary soil and groundwater sampling program at Enrico Fermi High School in Enfield, Connecticut. This preliminary screening of soil and groundwater was intended to identify the possible presence of oil and hazardous materials which might impact the cost and design of proposed improvements to the athletic fields. Specific details regarding the scope and objectives of the athletic field renovations were not provided for our review.

In summary, the data indicate that organochlorine pesticides are present in soil and groundwater at concentrations exceeding remedial standards. The pesticides appear to be widely distributed within the upper three feet of soil. One soil sample exceeded the threshold as a Significant Environmental Hazard, as defined in Connecticut General Statutes Section 22a-6u. This finding triggers a notification requirement to the CTDEP.

Based on the results obtained, we have made recommendations which are provided at the end of this report.

Very truly yours,

GeoDesign, Inc.

Timothy Carr
Timothy Carr, LEP
Manager of Environmental Services

Robert M. Downes III
Robert M. Downes III, P.E.
Senior Engineer

Attachments

- | | |
|------------|------------------------------------|
| Appendix 1 | Figures and Table |
| Appendix 2 | Boring Logs |
| Appendix 3 | Soil Analytical Data Sheets |
| Appendix 4 | Groundwater Analytical Data Sheets |
| Appendix 5 | Limitations |



INTRODUCTION

This preliminary screening of soil and groundwater was intended to identify the possible presence of oil and hazardous materials which might impact the cost and design of proposed improvements to the athletic fields at Enrico Fermi High School. Specific details regarding the scope and objectives of the athletic field renovations were not provided for our review. Our scope of services included:

- Soil sampling using a GeoProbe to a maximum depth of 12 feet below grade (fbg);
- Analysis of soil samples for pesticides; metal elements; volatile organic compounds; and Extractable Total Petroleum Hydrocarbons; and,
- Installation and sampling of temporary monitoring wells for volatile organic compounds, extractable total petroleum hydrocarbons, and pesticides.

The results of the environmental testing were compared to the Connecticut Remediation Standard Regulations, as defined in Connecticut General Statutes Section 22a-133k.

SITE DESCRIPTION

The site consists of athletic fields associated with Enrico Fermi High School. The athletic fields comprise an approximately 16-acre area and are used for baseball, softball, soccer, track and field and multiple other uses. An Area Plan and a Site Plan are provided as Figures 1 and 2 in Appendix 1, respectively.

The topography generally slopes downwards from west to east with a total topographic relief of less than 10 feet. A wetland area is located to the east. The wetlands form a headwater to Freshwater Brook located approximately 2,800-feet to the north. Based on regional topographic and drainage considerations, groundwater beneath the site is inferred to flow in an easterly to northeasterly direction.

The high school building is located on top of a hill west of the athletic fields. The site is surrounded by residential properties. Agricultural properties are located to the west. Former agricultural uses of the site are not known.

ENVIRONMENTAL SETTING & APPLICABLE REMEDIAL CRITERIA

The site is used as a public school, which constitutes residential use as defined by the state of Connecticut's Remediation Standard Regulations. According to the Connecticut Department of Environmental Protection's (CTDEP's), "Water Quality Classifications of the Connecticut River and South Central Coastal Basins" map dated February 1993, site groundwater is classified as GA. GA groundwater is presumed to be suitable for direct human consumption without treatment.

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Applicable Remedial Criteria

Based on the current and proposed site uses (residential) and groundwater quality (GA), the applicable remediation standards for site soils are the Residential Direct Exposure Criteria (R-DEC), and GA Groundwater Pollutant Mobility Criteria (GA-PMC).

The applicable remediation standards for site groundwater are the Groundwater Protection Criteria (GWPC) and the Surface Water Protection Criteria (SWPC).

SOIL SAMPLING

On March 6, 2006, A&A Test Borings of South Windsor, Connecticut completed a total of ten GeoProbe® borings on-site. The boring locations were selected to provide general coverage across the existing athletic fields. Sample locations are shown on Figure 2 in Appendix 1.

Soil samples were collected by the GeoProbe from the ground surface to the maximum depth explored of twelve feet below grade using a 4-foot long macrocore sampler with dedicated polyacetate liners. The subsurface materials encountered in each boring were logged by GeoDesign personnel. Boring logs are included in Appendix 2.

Field Screening for Volatile Organic Compounds

All soil samples were screened in the field for the presence of volatile organic compounds (VOCs) using a calibrated photoionization detector (PID). Representative grab samples of approximately 5-ounces of soil were obtained from each sample and placed in clean 8-ounce jars. The jars were sealed with a continuous sheet of aluminum foil. Each sealed jar was agitated for approximately 15 seconds, and then allowed to equilibrate a minimum of five minutes to allow volatilization to normalize. The cap was removed from the jars and the aluminum foil pierced with the probe of the PID. Maximum meter responses for each jar sample were recorded on the boring logs in Appendix 2.

No volatile organic compounds were detected by the field screening.

Temporary Monitoring Well Installations

At three locations, the GeoProbe was advanced into the groundwater table (locations GP-1, GP-4, and GP-10). A temporary 1-inch diameter PVC well screen was installed at each location. The temporary well screens were sampled and removed from the ground on the day of installation. The holes were backfilled to grade using dry sand.

As summarized below, insufficient groundwater was encountered in temporary well GP-10 to allow for groundwater sampling.

RESULTS OF SOIL SAMPLING & ANALYSES

Subsurface Soils Encountered

In general, the subsurface soils encountered consisted of 2 to 6-inches of topsoil, underlain by sandy glacial delta deposits ("sands" on the GeoProbe logs) and or dense glacial till. No bedrock was encountered to the maximum depth explored of 12-feet. The composition of the various site soils is generally as follows:

- Topsoil - Brown mixture of fine to medium sand with varying amounts of organic materials.
- Sands – Loose to medium dense brown fine to medium sand with 10 to 20 percent silt and less than 10 percent gravel content.
- Glacial till – Dense to very dense red-brown mixture of fine or fine to medium sand with 20 to 35 percent silt and 5 to 15 percent gravel content.

Based on published geological information and site observations the glacial till underlies the entire site. The glacial delta sands blanket the glacial till in the lower, flat areas in the eastern portion of the site. Thick glacial till forms a hill or "drumlin" that rises upward through the sands such that the glacial till is exposed at the ground surface in higher portions of the site.

Groundwater was measured in borings GP-1 and GP-4 at 7.8 and 7.3 feet below grade, respectively.

Soil Analytical Results

In general, soil samples were analyzed from within the upper four feet of the ground surface. Soil samples were analyzed for pesticides (10 samples); metal elements (6 samples); volatile organic compounds (2 samples); and, Extractable Total Petroleum Hydrocarbons (2 samples). The samples were submitted to Phoenix Environmental Laboratories of Manchester, Connecticut. The data are summarized on Table 1 in Appendix 1 and the laboratory data sheets are included in Appendix 3.

Pesticides

The results of pesticide analyses can be summarized and compared to the Residential Direct Exposure Criteria (R-DEC) as follows:

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Parameter	Sample Designation and Result ($\mu\text{g}/\text{kg}$)										R-DEC ($\mu\text{g}/\text{kg}$)
	GP-1/ 0-2'	GP-2/ 1-3'	GP-3/ 0-2'	GP-4/ 0-2'	GP-5/ 1-3'	GP-6/ 4-5'	GP-7/ 1-2'	GP-8/ 0-2'	GP-9/ 1-3'	GP-10/ 4-6'	
4,4'-DDD	ND	ND	ND	ND	170	ND	ND	ND	ND	ND	2,600
4,4'-DDE	120	130	240	94	170	ND	ND	220	ND	ND	1,800
4,4'-DDT	170	190	420	83	190	ND	49	130	ND	ND	1,800
Chlordane	600	710	830	ND	1,600	ND	200	ND	95	ND	490
Dieldrin	400	1,100	1,200	690	600	ND	290	780	110	ND	38
Heptachlor epoxide	ND	23	ND	67							

Six different pesticides were detected in eight of the ten soil samples analyzed. The Residential Direct Exposure Criteria (R-DEC) for the pesticide dieldrin was exceeded in eight of ten samples. The R-DEC for chlordane was exceeded in six of ten samples. Pesticides were not detected in the soil samples from GP-6 and GP-10 which were obtained from greater than 4-feet below grade. Dieldrin and chlordane are banned organochlorine pesticides which are commonly detected on former agricultural properties.

The dieldrin result in GP-3/0-2' of 1,200 $\mu\text{g}/\text{kg}$ is significant because it exceeds thirty times the applicable remedial standard of 38 $\mu\text{g}/\text{kg}$. This exceeds the threshold for reporting a Significant Environmental Hazard. Additional information regarding this requirement is summarized below.

Other Analyses

As summarized on the table in Appendix 2, no volatile organic compounds or extractable total petroleum hydrocarbons were detected in the two soil samples analyzed. Varying concentrations of metal elements (arsenic, chromium, and lead) were reported in the six soil samples analyzed. The reported concentrations were well below the respective R-DECs and are within the range reported as naturally occurring background concentrations, as identified by the United States Geological Survey (USGS)¹.

RESULTS OF GROUNDWATER SAMPLING & ANALYSIS

Samples of groundwater were obtained from locations GP-1 and GP-4. The groundwater samples were analyzed for volatile organic compounds by EPA Method 8260, extractable total petroleum hydrocarbons (ETPH), and pesticides by EPA Method 8081. The laboratory data sheets are included in Appendix 4 and the data is summarized below.

¹ Shacklette, Hansford T., Josephine Boerngen, "Element Concentrations In Soil and Other Surficial Materials of the Conterminous United States", United States Geological Survey Professional Paper 1270, 1984.

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Groundwater Elevation Measurements

Ground surface elevation was estimated from the topographic plan. The groundwater elevation measurement can be summarized as follows:

Well Designation	Approximate Ground Surface Elevation	Depth to Groundwater below grade (feet)	Approximate Groundwater Elevation
GP-1	176.0	7.8	168.2
GP-4	182.0	7.3	174.7

Based on the two data points, groundwater is inferred to flow to the east towards the wetland area, and in agreement with our inferred groundwater flow direction. Due to the limited number of data points, an accurate assessment of groundwater flow direction could not be made.

Groundwater Sampling & Analyses

Monitoring well purging and sampling was performed using a peristaltic pump with dedicated tubing and low flow methods. A calibrated Oakton Model 10 series meter was used to monitor purge water for pH, specific conductance, and temperature. The results can be summarized as follows:

Well Designation	pH (standard units)	Specific Conductance (uSiemens)	Temperature (Celsius)
GP-1	7.2	241	7.3
GP-4	7.3	167	6.9

These data were in the range expected for groundwater in a suburban setting.

Pesticides

The Groundwater Protection Criterion (GA area) for dieldrin ($0.002 \mu\text{g/l}$) was exceeded in the two groundwater samples between $0.021 \mu\text{g/l}$ and $0.25 \mu\text{g/l}$. The Surface Water Protection Criterion (SWPC) for dieldrin ($0.1 \mu\text{g/l}$) was exceeded in sample GP-4 at $0.25 \mu\text{g/l}$. The laboratory data sheets are attached in Appendix 4.

These groundwater samples were collected from temporary monitoring wells which were installed without development. The samples may have therefore contained contaminated soil particles.

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Other Analyses

The laboratory reported that volatile organic compounds and extractable total petroleum hydrocarbons were not detected in the samples of groundwater from temporary monitoring wells GP-1 and GP-4.

SUMMARY & CONCLUSIONS

In summary, the data indicates that organochlorine pesticides are present in soil and groundwater at concentrations exceeding remedial standards. The pesticides appear to be widely distributed within the upper three feet of soil.

One soil sample, which was obtained within two feet of the ground surface (GP-3/0-2'), contained dieldrin at a concentration which exceeded 30 times the remedial standard (30 times the R-DEC of 38 µg/kg or 1,140 µg/kg). This concentration exceeds the threshold as a Significant Environmental Hazard, as defined in Connecticut General Statutes Section 22a-6u. This finding triggers a notification requirement to the CTDEP.

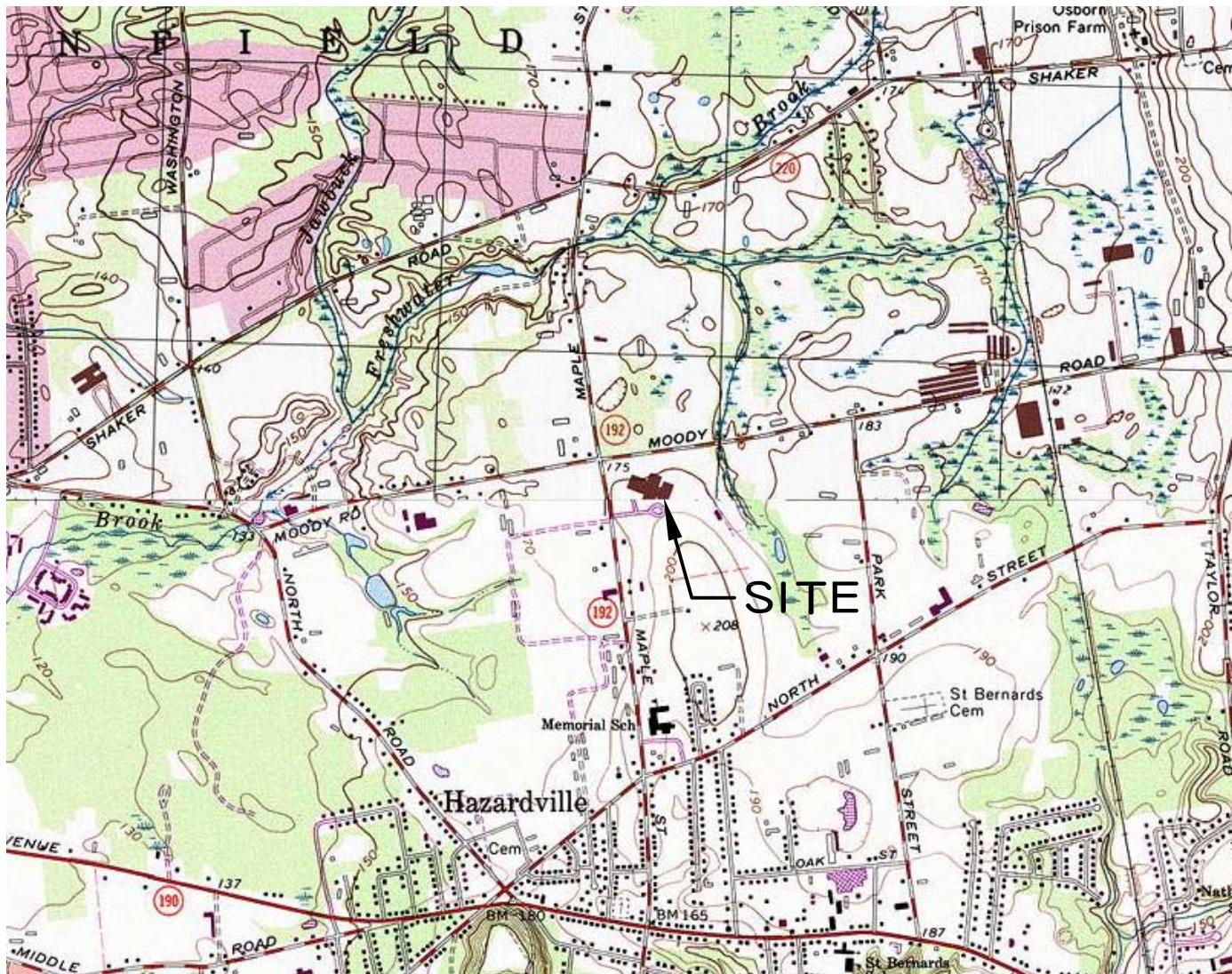
The dieldrin concentration was above the Groundwater Protection Criterion in the two groundwater samples analyzed. These exceedances are possibly attributable to the temporary nature of the monitoring wells sampled.

Based on the results of the preliminary sampling and analyses, we recommend the following:

1. A notification of a Significant Environmental Hazard (SEH) must be made to the CTDEP within 90 days of the identification of an SEH condition. Based on our experience, CTDEP will assist in identifying the most efficient method(s) of mitigating the condition. We are available to assist in this process.
2. Additional soil sampling and analyses should be conducted to better delineate the vertical and horizontal extent of the pesticide contamination identified.
3. A network of permanent groundwater monitoring wells should be installed and sampled prior to concluding pesticides have impacted groundwater.
4. Coincident with the pesticide sampling of groundwater, a water supply well survey should be conducted to determine if water supply wells are in use within 500-feet downgradient of the impacted area. If wells are present, water samples should be obtained for analysis of pesticides using EPA Method 508.

This report is subject to the Limitations outlined in Appendix 5.

APPENDIX 1
FIGURES AND TABLE



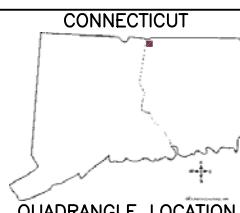
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DRAWN BY: SMC

REVIEWED BY: AFC



ENRICO FERMI HIGH SCHOOL ENFIELD, CONNECTICUT

REFERENCE:
U.S.G.S. 7.5 MINUTE QUADRANGLE: ENFIELD, CT.
Figure was created using TOPO! 2003 software

SCALE IN FEET



PROJECT NO. 663-02

DATE: 3-21-06

FIGURE NO. 1



DESIGNED BY	
DRAWN BY	
CHECKED BY	
APPROVED BY	
TFC	REVISIONS

GEODESIC
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TABLE 1
SUMMARY OF ANALYTICAL DETECTIONS IN SOIL SAMPLES
ENRICO FERMI HIGH SCHOOL
ENFIELD, CONNECTICUT

Parameter	Sample Designation and Result (ug/kg)								Remediation Standards			
	GP-1/ 0.2'	GP-2/ 1.3'	GP-3/ 0.2'	GP-4/ 0.2'	GP-5/ 1.3'	GP-6/ 4.5'	GP-7/ 1.2'	GP-8/ 0.2'	GP-9/ 1.3'	GP-10/ 4.6'	R-DEC	GA-PMC
Volatile Organic Compounds												
VOCs	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	--	--
ETPH	NT	NT	ND	NT	NT	NT	NT	ND	NT	NT	500	500
Extractable Total Petroleum Hydrocarbons												
4,4'-DDD	ND	ND	ND	ND	170	ND	ND	ND	ND	ND	2600	IR
4,4'-DDE	120	130	240	94	170	ND	ND	ND	ND	ND	1800	IR
4,4'-DDT	170	190	420	83	190	ND	49	130	ND	ND	1800	IR
Chlordane	600	710	830	ND	1,600	ND	200	ND	95	ND	490	66
Dieldrin	400	1,100	1,200	690	600	ND	290	780	110	ND	38	7
Heptachlor epoxide	ND	23	ND	ND	67	20						
Pesticides												
Arsenic	5.03	NT	3.94	2.21	NT	1.08	NT	NT	1.78	1.58	10	NA
Chromium	12.20	NT	10.70	11.90	NT	10.50	NT	NT	8.94	13.20	100	NA
Lead	10.20	NT	9.07	15.30	NT	2.92	NT	NT	4.34	4.17	500	NA
Metal Elements												
[1200] = Result exceeded Significant Environmental Hazard threshold of 1,140 ug/kg.												

LEGEND:

ND = None Detected

NT = Not Tested

IR = In Review

NA = Not Applicable

R-DEC = Residential Direct Exposure Criterion

GA-PMC = GA Area Pollutant Mobility Criteria

NOTES:

- 1) Samples obtained by GeoDesign, Inc. and analyzed by Phoenix Environmental Laboratories of Manchester, Connecticut.
- 2) Refer to laboratory data sheets for individual detection limits.

APPENDIX 2
BORING LOGS

 <p>G E O D E S I G N I N C O R P O R A T E D</p> <p>Geotechnical Engineers and Environmental Consultants 984 Southford Road Middlebury, Connecticut 06762 Telephone: 203-758-8836 Fax: 203-758-8842</p>										BORING LOG				Boring No.: GP-01																																										
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<p>Boring Company: <u>A & A Test Boring</u></p> <p>Foreman: <u>Al Augustine</u></p> <p>GeoDesign Rep.: <u>Alan Colwell</u></p> <p>Date Started: <u>March 6, 2006</u> Date Finished: <u>March 6, 2006</u></p> <p>N. Coordinate: _____ E. Coordinate: _____</p> <p>Ground Surface Elevation (feet): <u>176.0</u></p> <p>Station: _____ Offset: <u>ft</u></p>										<table border="1"> <thead> <tr> <th>Casing:</th> <th>Sampler:</th> <th colspan="4">Groundwater Observations</th> </tr> <tr> <th>Type:</th> <th>Macro</th> <th rowspan="2">Date</th> <th rowspan="2">Depth (ft)</th> <th rowspan="2">Elev. (ft)</th> <th rowspan="2">Notes</th> </tr> <tr> <th>I.D.:</th> <th>in.</th> </tr> </thead> <tbody> <tr> <td>Hammer Wt.:</td> <td>2.0 in.</td> <td>▼</td> <td>3/6/06</td> <td>7.8</td> <td>168.2</td> <td>In well</td> </tr> <tr> <td>Hammer Fall:</td> <td></td> <td>▼</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Rig Type:</td> <td>Geoprobe</td> <td>▼</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hammer Type:</td> <td></td> <td>▼</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Casing:	Sampler:	Groundwater Observations				Type:	Macro	Date	Depth (ft)	Elev. (ft)	Notes	I.D.:	in.	Hammer Wt.:	2.0 in.	▼	3/6/06	7.8	168.2	In well	Hammer Fall:		▼					Rig Type:	Geoprobe	▼					Hammer Type:		▼					Boring No.: GP-01
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		Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Soil Screening End Depth (ft)	PID Reading (ppm)			Classification System: Burnmister																																													
1	C	48	40	0	4	ND	Top 2": TOPSOIL Sands 176.8				Top 2": TOPSOIL																																													
5	2	C	48	42	4	8	ND					Bottom 38": Brown fine to medium SAND, some (-) fine Gravel, little Silt, trace Roots																																												
10	3	C	48	36	8	12	ND					Brown fine to medium SAND, little Silt, trace fine Gravel, (moist)																																												
15												Brown fine to medium SAND, little Silt, trace fine Gravel, (wet)																																												
20								Bottom of Exploration at 12.0 ft 164.0																																																
Screening results are based on jarred samples. Installed 1 inch PVC screen from 12 to 7 feet and riser 7 feet to ground surface, limited sand pack.														Boring No.: GP-01																																										
<p>Notes: 1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector (unless otherwise noted in Remarks). The meter was calibrated relative to a benzene in air standard. ND = None Detected; NR = Not Recorded; NA = Not Applicable; OR = Out of Range</p> <p>2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. AC = After coring; NR = Not Recorded.</p> <p>3) Abbreviations: A = Auger; C = Core; D = Driven; G = Grab; PS = Piston Sample; SS = Split Spoon; ST = Shelby Tube; V = Vane; WOR/H = Weight of Rod/Hammer</p> <p>4) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50%</p> <p>5) Stratification lines represent approximate boundary between material types. transitions may be gradual.</p>														Boring No.: GP-01																																										

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<p>Notes: 1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector (unless otherwise noted in Remarks). The meter was calibrated relative to a benzene in air standard. ND = None Detected; NR = Not Recorded; NA = Not Applicable; OR = Out of Range</p> <p>2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. AC = After coring; NR = Not Recorded.</p> <p>3) Abbreviations: A = Auger; C = Core; D = Driven; G = Grab; PS = Piston Sample; SS = Split Spoon; ST = Shelby Tube; V = Vane; WOR/H = Weight of Rod/Hammer</p> <p>4) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50%</p> <p>5) Stratification lines represent approximate boundary between material types, transitions may be gradual.</p>																																																																																																							
												Boring No.: GP-02																																																																																											

 G E O D E S I G N <small>INCORPORATED</small> <i>Geotechnical Engineers and Environmental Consultants</i> 984 Southford Road Middlebury, Connecticut 06762 Telephone: 203-758-8836 Fax: 203-758-8842										BORING LOG						
										Project Name						
										Enrico Fermi High School						
										Enfield, Connecticut						
													Checked By: <u>TFC</u>			
Boring Company: <u>A & A Test Boring</u> Foreman: <u>Al Augustine</u> GeoDesign Rep.: <u>Alan Colwell</u> Date Started: <u>March 6, 2006</u> Date Finished: <u>March 6, 2006</u> N. Coordinate: _____ E. Coordinate: _____ Ground Surface Elevation (feet): <u>182.0</u> Station: _____ Offset: ft										<u>Casing:</u> _____ <u>Sampler:</u> _____			Groundwater Observations			
Type: _____ Macro I.D.: in. 2.0 in.			Date	Depth (ft)	Elev. (ft)	Notes										
Hammer Wt.:			<u>V</u>	3/6/06		None observed										
Hammer Fall:			<u>V</u>													
Rig Type: <u>Geoprobe</u>			<u>V</u>													
Hammer Type:			<u>V</u>													
Depth (ft)	Casing Blows/ft	Sample Information						Strata Description	Symbol	Sample Description						
		Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Soil Screening End Depth (ft)			PID Reading (ppm)	Classification System: Burnister					
	1	C	48	40	0	4	ND	Top 3": TOPSOIL Bottom 37": Brown fine to medium SAND, little Silt, trace (+) fine Gravel								
	2	C	48	42	4	8	ND	Brown fine to medium SAND, little Silt, trace (-) fine Gravel								
5																
8.0																
10																
15																
20																
Remarks	Screening results are based on jarred samples.															
Notes: 1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector (unless otherwise noted in Remarks). The meter was calibrated relative to a benzene in air standard. ND = None Detected; NR = Not Recorded; NA = Not Applicable; OR = Out of Range 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. AC = After coring; NR = Not Recorded. 3) Abbreviations: A = Auger; C = Core; D = Driven; G = Grab; PS = Piston Sample; SS = Split Spoon; ST = Shelby Tube; V = Vane; WOR/H = Weight of Rod/Hammer 4) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50% 5) Stratification lines represent approximate boundary between material types, transitions may be gradual.										Boring No.: <u>GP-03</u>						
										Boring No.: <u>GP-03</u>						



G E O D E S I G N

Geotechnical Engineers and Environmental Consultants
984 Southford Road
Middlebury, Connecticut 06762
Telephone: 203-758-8836 Fax: 203-758-8842

Telephone: 203-758-8836 Fax: 203-758-8842

BORING LOG

Project Name

Enrico Fermi High School

Enfield, Connecticut

Boring No.: GP-04

Page No.: 1 of 1

File No.: 663-02

Checked By: TFC

Boring Company:	A & A Test Boring		
Foreman:	Al Augustine		
GeoDesign Rep.:	Alan Colwell		
Date Started:	March 6, 2006	Date Finished:	March 6, 2006
N. Coordinate:			
Ground Surface Elevation (feet):	182.0		
Station:	Offset:	ft	

Screening results are based on jarred samples.

Installed 1 inch PVC screen from 12 to 7 feet and riser 7 feet to ground surface, limited sand pack.

Notes: 1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector (unless otherwise noted in Remarks). The meter was calibrated relative to a benzene in air standard. ND = None Detected; NR = Not Recorded; NA = Not Applicable; OR = Out of Range
2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. AC = After coring; NR = Not Recorded.
3) Abbreviations: A = Auger; C = Core; D = Driven; G = Grab; PS = Piston Sample; SS = Split Spoon; ST = Shelby Tube; V = Vane; WOR/H = Weight of Rod/Hammer
4) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50%
5) Stratification lines represent approximate boundary between material types, transitions may be gradual.

Boring No.: GP-04

Boring No.: GP-04



G E O D E S I G N
I N C O R P O R A T E D
Geotechnical Engineers and Environmental Consultants
984 Southford Road
Middlebury, Connecticut 06762
Telephone: 203-758-8836 Fax: 203-758-8842

Boring Company: A & A Test Boring
Foreman: Al Augustine
GeoDesign Rep.: Alan Colwell
Date Started: March 6, 2006 Date Finished: March 6, 2006
N. Coordinate: _____ E. Coordinate: _____
Ground Surface Elevation (feet): 180.0
Station: _____ Offset: ft

BORING LOG

Project Name

Enrico Fermi High School

Enfield, Connecticut

Boring No.: GP-05

Page No.: 1 of 1

File No.: 663-02

Checked By: TFC

Type: D.D.:	Casing: in.	Sampler: Macro 2.0 in.	Groundwater Observations			
			Date	Depth (ft)	Elev. (ft)	Notes
Hammer Wt.:		▼	3/6/06			None observed
Hammer Fall:		▼				
Rig Type:	Geoprobe	▼				
Hammer Type:		▼				

Screening results are based on jarred samples.

Notes: 1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector (unless otherwise noted in Remarks). The meter was calibrated relative to a benzene in air standard. ND = None Detected; NR = Not Recorded; NA = Not Applicable; OR = Out of Range
 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. AC = After coring; NR = Not Recorded
 3) Abbreviations: A = Auger; C = Core; D = Driven; G = Grab; PS = Piston Sample; SS = Split Spoon; ST = Shelby Tube; V = Vane; WOR/H = Weight of Rod/Hammer
 4) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50%
 5) Stratification lines represent approximate boundary between material types, transitions may be gradual.

Boring No.: GP-05

 <p>G E O D E S I G N I N C O R P O R A T E D <i>Geotechnical Engineers and Environmental Consultants</i> 984 Southford Road Middlebury, Connecticut 06762 Telephone: 203-758-8836 Fax: 203-758-8842</p>								BORING LOG																																																																																			
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								Enrico Fermi High School																																																																																			
								Enfield, Connecticut																																																																																			
								Checked By: <u>TFC</u>																																																																																			
Boring Company: <u>A & A Test Boring</u> Foreman: <u>Al Augustine</u> GeoDesign Rep.: <u>Alan Colwell</u> Date Started: <u>March 6, 2006</u> Date Finished: <u>March 6, 2006</u> N. Coordinate: _____ E. Coordinate: _____ Ground Surface Elevation (feet): <u>184.5</u> Station: _____ Offset: <u>ft</u>								<u>Casing:</u>	<u>Sampler:</u>	Groundwater Observations																																																																																	
Type:	Macro	Date	Depth (ft)	Elev. (ft)	Notes																																																																																						
I.D.:	in. 2.0 in.																																																																																										
Hammer Wt.:		▼	3/6/06		None observed																																																																																						
Hammer Fall:		▼																																																																																									
Rig Type:	Geoprobe	▼																																																																																									
Hammer Type:		▼																																																																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Depth (ft)</th> <th rowspan="2">Casing Blow/ft</th> <th colspan="6">Sample Information</th> <th rowspan="2">Strata Description</th> <th rowspan="2">Symbol</th> <th rowspan="2">Sample Description</th> </tr> <tr> <th>Number</th> <th>Type</th> <th>Penetration (inches)</th> <th>Recovery (inches)</th> <th>Depth (ft)</th> <th>Soil Screening End Depth (ft)</th> <th>PID Reading (ppm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>C</td> <td>48</td> <td>39</td> <td>0</td> <td>4</td> <td>ND</td> <td>0.4</td> <td>Topsoil Sands</td> <td>184.1</td> <td>Top 5": TOPSOIL Bottom 34": Brown fine to medium SAND, some (-) Silt, trace fine Gravel</td> </tr> <tr> <td>5</td> <td>1</td> <td>C</td> <td>24</td> <td>24</td> <td>4</td> <td>6</td> <td>ND</td> <td></td> <td></td> <td>Brown fine to medium SAND, little Silt, trace fine Gravel</td> </tr> <tr> <td>10</td> <td></td> </tr> <tr> <td>15</td> <td></td> </tr> <tr> <td>20</td> <td></td> </tr> <tr> <td>Remarks</td> <td colspan="10">Screening results are based on jarred samples.</td> </tr> </tbody> </table>								Depth (ft)	Casing Blow/ft	Sample Information						Strata Description	Symbol	Sample Description	Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Soil Screening End Depth (ft)	PID Reading (ppm)	1	C	48	39	0	4	ND	0.4	Topsoil Sands	184.1	Top 5": TOPSOIL Bottom 34": Brown fine to medium SAND, some (-) Silt, trace fine Gravel	5	1	C	24	24	4	6	ND			Brown fine to medium SAND, little Silt, trace fine Gravel	10											15											20											Remarks	Screening results are based on jarred samples.									
Depth (ft)	Casing Blow/ft	Sample Information								Strata Description	Symbol	Sample Description																																																																															
		Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Soil Screening End Depth (ft)	PID Reading (ppm)																																																																																			
1	C	48	39	0	4	ND	0.4	Topsoil Sands	184.1	Top 5": TOPSOIL Bottom 34": Brown fine to medium SAND, some (-) Silt, trace fine Gravel																																																																																	
5	1	C	24	24	4	6	ND			Brown fine to medium SAND, little Silt, trace fine Gravel																																																																																	
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Remarks	Screening results are based on jarred samples.																																																																																										
<small> Notes: 1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector (unless otherwise noted in Remarks). The meter was calibrated relative to a benzene in air standard. ND = None Detected; NR = Not Recorded; NA = Not Applicable; OR = Out of Range 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. AC = After coring; NR = Not Recorded. 3) Abbreviations: A = Auger; C = Core; D = Driven; G = Grab; PS = Piston Sample; SS = Split Spoon; ST = Shelby Tube; V = Vane; WOR/H = Weight of Rod/Hammer 4) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50% 5) Stratification lines represent approximate boundary between material types, transitions may be gradual. </small>											Boring No.: GP-06																																																																																

 <p>G E O D E S I G N I N C O R P O R A T E D <i>Geotechnical Engineers and Environmental Consultants</i> 984 Southford Road Middlebury, Connecticut 06762 Telephone: 203-758-8836 Fax: 203-758-8842</p>										BORING LOG				Boring No.: GP-07	
										Project Name					
										Enrico Fermi High School				Page No.: 1 of 1	
										Enfield, Connecticut				File No.: 663-02	
														Checked By: TFC	
Boring Company: <u>A & A Test Boring</u> Foreman: <u>Al Augustine</u> GeoDesign Rep.: <u>Alan Colwell</u> Date Started: <u>March 6, 2006</u> Date Finished: <u>March 6, 2006</u> N. Coordinate: _____ E. Coordinate: _____ Ground Surface Elevation (feet): <u>189.0</u> Station: _____ Offset: <u>ft</u>										Casing: <u>Macro</u> I.D.: <u>in.</u> 2.0 in.		Groundwater Observations			
Type:		Date		Depth (ft)		Elev. (ft)		Notes							
Hammer Wt.:		<input checked="" type="checkbox"/> 3/6/06						None observed							
Hammer Fall:		<input checked="" type="checkbox"/>													
Rig Type: <u>Geoprobe</u>		<input checked="" type="checkbox"/>													
Hammer Type:		<input checked="" type="checkbox"/>													
Depth (ft)	Sample Information								Strata Description	Symbol	Sample Description				
	Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Soil Screening End Depth (ft)	PID Reading (ppm)	Depth & Elevation(feet)			Classification System: Burmister				
1	C	48	40	0	4	ND		Topsoil Sands 188.7	Top 3": TOPSOIL Bottom 37": Brown fine to medium SAND, little Silt, trace fine Gravel						
5	2	C	30	24	4	6.5	ND	6.5	Brown fine to medium SAND, some (-) Silt, trace fine Gravel						
10								Bottom 182.5 of Exploration at 6.5 ft							
15															
20															
Remarks	Screening results are based on jarred samples.														
Notes: 1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector (unless otherwise noted in Remarks). The meter was calibrated relative to a benzene in air standard. ND = None Detected; NR = Not Recorded; NA = Not Applicable; OR = Out of Range 2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. AC = After coring; NR = Not Recorded. 3) Abbreviations: A = Auger; C = Core; D = Driven; G = Grab; PS = Piston Sample; SS = Split Spoon; ST = Shelby Tube; V = Vane; WOR/H = Weight of Rod/Hammer 4) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50% 5) Stratification lines represent approximate boundary between material types, transitions may be gradual.															Boring No.: GP-07

 G E O D E S I G N <small>INCORPORATED</small> <i>Geotechnical Engineers and Environmental Consultants</i> 984 Southford Road Middlebury, Connecticut 06762 Telephone: 203-758-8836 Fax: 203-758-8842								BORING LOG			Boring No.: GP-08	
								Project Name				
								Enrico Fermi High School			Page No.: 1 of 1	
								Enfield, Connecticut			File No.: 663-02	
											Checked By: TFC	
<p>Boring Company: <u>A & A Test Boring</u></p> <p>Foreman: <u>Al Augustine</u></p> <p>GeoDesign Rep.: <u>Alan Colwell</u></p> <p>Date Started: <u>March 6, 2006</u> Date Finished: <u>March 6, 2006</u></p> <p>N. Coordinate: _____ E. Coordinate: _____</p> <p>Ground Surface Elevation (feet): <u>190.0</u></p> <p>Station: _____ Offset: ft</p>								Casing:	Sampler:	Groundwater Observations		
Type:	Macro		Date	Depth (ft)	Elev. (ft)	Notes						
I.D.:	in.	2.0 in.										
Hammer Wt.:			3/6/06			None observed						
Hammer Fall:												
Rig Type:	Geoprobe											
Hammer Type:												
								Sample Description				
								Classification System: Burnister				
Depth (ft)	Casing Blows/ft	Sample Information						Strata Description	Symbol			
Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Soil Screening End Depth (ft)	PID Reading (ppm)	Depth & Elevation(feet)					
1	C	48	42	0	4	ND	Topsoil Sands 189.7					
4.0												
5							Bottom of Exploration at 4.0 ft 186.0					
10												
15												
20												
Remarks	Screening results are based on jarred samples.											
<p>Notes: 1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector (unless otherwise noted in Remarks). The meter was calibrated relative to a benzene in air standard. ND = None Detected; NR = Not Recorded; NA = Not Applicable; OR = Out of Range</p> <p>2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. AC = After coring; NR = Not Recorded.</p> <p>3) Abbreviations: A = Auger; C = Core; D = Driven; G = Grab; PS = Piston Sample; SS = Split Spoon; ST = Shelby Tube; V = Vane; WOR/H = Weight of Rod/Hammer</p> <p>4) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50%</p> <p>5) Stratification lines represent approximate boundary between material types, transitions may be gradual.</p>												
Boring No.: GP-08												

 <p>G E O D E S I G N I N C O R P O R A T E D</p> <p>Geotechnical Engineers and Environmental Consultants 984 Southford Road Middlebury, Connecticut 06762 Telephone: 203-758-8836 Fax: 203-758-8842</p>												BORING LOG							
												Project Name							
												Enrico Fermi High School							
												Enfield, Connecticut							
												Checked By: <u>TFC</u>							
<p>Boring Company: <u>A & A Test Boring</u></p> <p>Foreman: <u>Al Augustine</u></p> <p>GeoDesign Rep.: <u>Alan Colwell</u></p> <p>Date Started: <u>March 6, 2006</u> Date Finished: <u>March 6, 2006</u></p> <p>N. Coordinate: _____ E. Coordinate: _____</p> <p>Ground Surface Elevation (feet): <u>193.0</u></p> <p>Station: _____ Offset: <u>ft</u></p>												<u>Casing:</u>		<u>Sampler:</u>		Groundwater Observations			
Type: _____		Macro		Date	Depth (ft)	Elev. (ft)	Notes												
I.D.: <u>in.</u>		<u>2.0 in.</u>																	
Hammer Wt: _____		<u>▼</u>		<u>3/6/06</u>			None observed												
Hammer Fall: _____		<u>▼</u>																	
Rig Type: <u>Geoprobe</u>		<u>▼</u>																	
Hammer Type: _____		<u>▼</u>																	
Depth (ft) Casing Blows/ft	Sample Information								Strata Description	Sample Description									
	Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Soil Screening End Depth (ft)	PID Reading (ppm)	Symbol		Classification System: Burnister									
	1	C	48	40	0	4	ND		Top 10": TOPSOIL										
	2	C	30	26	4	6.5	ND		Bottom 30": Red brown fine to medium SAND, some (-) Silt, little fine Gravel										
5									Brown fine to medium SAND, some Silt, little fine Gravel, (Rock in tip)										
10																			
15																			
20																			
Remarks	Screening results are based on jarred samples.																		
<p>Notes: 1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector (unless otherwise noted in Remarks). The meter was calibrated relative to a benzene in air standard. ND = None Detected; NR = Not Recorded; NA = Not Applicable; OR = Out of Range</p> <p>2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. AC = After coring; NR = Not Recorded.</p> <p>3) Abbreviations: A = Auger; C = Core; D = Driven; G = Grab; PS = Piston Sample; SS = Split Spoon; ST = Shelby Tube; V = Vane; WOR/H = Weight of Rod/Hammer</p> <p>4) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50%</p> <p>5) Stratification lines represent approximate boundary between material types. Transitions may be gradual.</p>																			
Boring No.: GP-09																			

 <p>G E O D E S I G N I N C O R P O R A T E D</p> <p><i>Geotechnical Engineers and Environmental Consultants</i> 984 Southford Road Middlebury, Connecticut 06762 Telephone: 203-758-8836 Fax: 203-758-8842</p>												BORING LOG				Boring No.: GP-10																																														
												Project Name																																																		
												Enrico Fermi High School				Page No.: 1 of 1																																														
												Enfield, Connecticut																																																		
												Checked By: TFC				File No.: 663-02																																														
<p>Boring Company: <u>A & A Test Boring</u></p> <p>Foreman: <u>Al Augustine</u></p> <p>GeoDesign Rep.: <u>Alan Colwell</u></p> <p>Date Started: <u>March 6, 2006</u> Date Finished: <u>March 6, 2006</u></p> <p>N. Coordinate: _____ E. Coordinate: _____</p> <p>Ground Surface Elevation (feet): <u>193.0</u></p> <p>Station: _____ Offset: <u>ft</u></p>												<table border="1"> <thead> <tr> <th>Casing:</th> <th>Sampler:</th> <th colspan="4">Groundwater Observations</th> </tr> <tr> <th>Type:</th> <th>Macro</th> <th>Date</th> <th>Depth (ft)</th> <th>Elev. (ft)</th> <th>Notes</th> </tr> <tr> <th>I.D.:</th> <th>in.</th> <th>2.0 in.</th> <td colspan="3"></td> </tr> </thead> <tbody> <tr> <td>Hammer Wt.:</td> <td></td> <td>▼</td> <td>3/6/06</td> <td>9.0</td> <td>184.0</td> <td>Wet sample</td> </tr> <tr> <td>Hammer Fall:</td> <td></td> <td>▼</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Rig Type:</td> <td>Geoprobe</td> <td>▼</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hammer Type:</td> <td></td> <td>▼</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Casing:	Sampler:	Groundwater Observations				Type:	Macro	Date	Depth (ft)	Elev. (ft)	Notes	I.D.:	in.	2.0 in.				Hammer Wt.:		▼	3/6/06	9.0	184.0	Wet sample	Hammer Fall:		▼					Rig Type:	Geoprobe	▼					Hammer Type:		▼					Boring No.: GP-10
Casing:	Sampler:	Groundwater Observations																																																												
Type:	Macro	Date	Depth (ft)	Elev. (ft)	Notes																																																									
I.D.:	in.	2.0 in.																																																												
Hammer Wt.:		▼	3/6/06	9.0	184.0	Wet sample																																																								
Hammer Fall:		▼																																																												
Rig Type:	Geoprobe	▼																																																												
Hammer Type:		▼																																																												
Depth (ft)	Sample Information								Strata Description	Symbol	Sample Description																																																			
	Casing	Blows/ft	Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Soil Screening End Depth (ft)			PID Reading (ppm)	Classification System: Bunnister																																																		
		1	C	48	39	0	4	ND	0.5	Topsoil	▼	Top 6": TOPSOIL																																																		
									192.5	Sands	▼	Bottom 33": Brown fine to medium SAND, some (-) Silt, trace fine to coarse Gravel																																																		
									4.0	Glacial Till	▼	Red brown fine to medium SAND, some Silt, little fine Gravel																																																		
5		2	C	48	40	4	8	ND	189.0		▼	Brown fine to medium SAND, some Silt, little fine Gravel, (wet)																																																		
10		3	C	48	42	8	12	ND			▼																																																			
15																																																														
20																																																														
Remarks	<p>Screening results are based on jarred samples. Installed 1 inch PVC screen from 12 to 7 feet and riser 7 feet to ground surface, limited sand pack.</p>																																																													
<p>Notes: 1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector (unless otherwise noted in Remarks). The meter was calibrated relative to a benzene in air standard. ND = None Detected; NR = Not Recorded; NA = Not Applicable; OR = Out of Range</p> <p>2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. AC = After coring; NR = Not Recorded.</p> <p>3) Abbreviations: A = Auger; C = Core; D = Driven; G = Grab; PS = Piston Sample; SS = Split Spoon; ST = Shelby Tube; V = Vane; WOR/H = Weight of Rod/Hammer</p> <p>4) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50%</p> <p>5) Stratification lines represent approximate boundary between material types. transitions may be gradual.</p>												Boring No.: GP-10																																																		

APPENDIX 3
SOIL ANALYTICAL DATA SHEETS



Monday, March 13, 2006

MAR 15 2006

GeoDesign
984 Southford Rd
Middlebury CT 06762

Attention: Mr. Tim Carr

Sample ID#: AH05451-05462

This laboratory is in compliance with the QA/QC procedure outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, and SW846 QA/QC requirements of procedures used.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is fluid and cursive, with "Phyllis" on top and "Shiller" below it, though somewhat overlapping.

Phyllis Shiller
Laboratory Director

CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
NY Lab Registration #11301
RI Lab Registration #63
NH Lab Registration #213693-A,B
ME Lab Registration #CT-007
NJ Lab Registration #CT-003
PA Lab Registration #68-03530



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 13, 2006

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information

Matrix: SOIL
Location Code: GEODSIGN
Rush Request:
P.O.#: 663-02.0

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

03/06/06 8:40
03/06/06 14:50

Time

SDG I.D.: GAH05451
Phoenix I.D.: AH05451

Laboratory Data

Client ID: ENRICO FERMI HIGH SCHOOL GP-1/0-2'

Parameter	Result	RL	Units	Date	Time	By	Reference
Arsenic	5.03	1	mg/Kg	03/08/06		EKT	6010/E200.7
Cadmium	< 0.5	0.5	mg/Kg	03/08/06		EKT	6010/E200.7
Chromium	12.2	0.5	mg/Kg	03/08/06		EKT	6010/E200.7
Mercury - Soil	< 0.10	0.10	mg/kg	03/08/06		RS	SW-7471
Lead	10.2	0.5	mg/Kg	03/08/06		EK	6010/E200.7
Percent Solid	85		%	03/07/06		L	E160.3
Mercury Digestion	Completed			03/08/06		E	SW7471
Soil Ext. for Pesticide	Completed			03/08/06		S/D	3545
Total Metals Digest	Completed			03/06/06		AG	SW846 - 3050
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	32	ug/Kg	03/10/06		J/K	SW8081
4,4' -DDE	120	32	ug/Kg	03/10/06		J/K	SW8081
4,4' -DDT	170	32	ug/Kg	03/10/06		J/K	SW8081
a-BHC	ND	16	ug/Kg	03/10/06		J/K	SW8081
Aldrin	ND	7	ug/Kg	03/10/06		J/K	SW8081
b-BHC	ND	16	ug/Kg	03/10/06		J/K	SW8081
Chlordane	600	66	ug/Kg	03/10/06		J/K	SW8081
d-BHC	ND	16	ug/Kg	03/10/06		J/K	SW8081
Dieldrin	400	35	ug/Kg	03/10/06		J/K	SW8081
Endosulfan I	ND	16	ug/Kg	03/10/06		J/K	SW8081
Endosulfan II	ND	32	ug/Kg	03/10/06		J/K	SW8081
Endosulfan sulfate	ND	32	ug/Kg	03/10/06		J/K	SW8081
Endrin	ND	32	ug/Kg	03/10/06		J/K	SW8081
Endrin aldehyde	ND	32	ug/Kg	03/10/06		J/K	SW8081

Client ID: ENRICO FERMI HIGH SCHOOL GP-1/0-2'

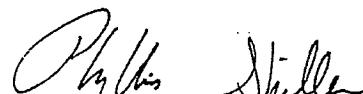
Phoenix I.D.: AH05451

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin ketone	ND	32	ug/Kg	03/10/06		J/K	SW8081
g-BHC	ND	16	ug/Kg	03/10/06		J/K	SW8081
Heptachlor	ND	13	ug/Kg	03/10/06		J/K	SW8081
Heptachlor epoxide	ND	16	ug/Kg	03/10/06		J/K	SW8081
Methoxychlor	ND	160	ug/Kg	03/10/06		J/K	SW8081
Toxaphene	ND	160	ug/Kg	03/10/06		J/K	SW8081
<u>QA/QC Surrogates</u>							
% DCBP (Surrogate Rec)	101		%	03/10/06		J/K	SW8081
% TCMX (Surrogate Rec)	106		%	03/10/06		J/K	SW8081

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 13, 2006



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 13, 2006

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information

Matrix: SOIL
Location Code: GEODSIGN
Rush Request:
P.O.#: 663-02.0

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

Time

03/06/06 8:55
03/06/06 14:50

SDG I.D.: GAH05451

Phoenix I.D.: AH05452

Laboratory Data

Client ID: ENRICO FERMI HIGH SCHOOL GP-2/1-3'

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	90		%	03/07/06		L	E160.3
Soil Ext. for Pesticide	Completed			03/06/06		CS/D	3545
Pesticides - Soil							
4,4'-DDD	ND	32	ug/Kg	03/08/06		KCA	SW8081
4,4'-DDE	130	32	ug/Kg	03/08/06		KCA	SW8081
4,4'-DDT	190	32	ug/Kg	03/08/06		KCA	SW8081
a-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Aldrin	ND	7	ug/Kg	03/08/06		KCA	SW8081
b-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Chlordane	710	66	ug/Kg	03/08/06		KCA	SW8081
d-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Dieldrin	1100	350	ug/Kg	03/08/06		KCA	SW8081
Endosulfan I	ND	16	ug/Kg	03/08/06		KCA	SW8081
Endosulfan II	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endosulfan sulfate	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin aldehyde	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin ketone	ND	32	ug/Kg	03/08/06		KCA	SW8081
g-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Heptachlor	ND	13	ug/Kg	03/08/06		KCA	SW8081
Heptachlor epoxide	23	16	ug/Kg	03/08/06		KCA	SW8081
Methoxychlor	ND	160	ug/Kg	03/08/06		KCA	SW8081
Toxaphene	ND	160	ug/Kg	03/08/06		KCA	SW8081

QA/QC Surrogates

Client ID: ENRICO FERMI HIGH SCHOOL GP-2/1-3¹

Phoenix I.D.: AH05452

Parameter	Result	RL	Units	Date	Time	By	Reference
% DCBP (Surrogate Rec)	68		%	03/08/06		KCA	SW8081
% TCMX (Surrogate Rec)	119		%	03/08/06		KCA	SW8081

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.


Phyllis Shiller, Laboratory Director
March 13, 2006



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 13, 2006

FOR: Attn: Mr. Tim Carr
 GeoDesign
 984 Southford Road
 Middlebury, CT 06762

<u>Sample Information</u>	<u>Custody Information</u>	<u>Date</u>	<u>Time</u>
Matrix: SOIL	Collected by:	03/06/06	9:32
Location Code: GEODSIGN	Received by: SW	03/06/06	14:50
Rush Request:	Analyzed by: see "By" below		
P.O.#: 663-02.0		SDG I.D.: GAH05451	
		Phoenix I.D.: AH05453	

Laboratory Data

Client ID: ENRICO FERMI HIGH SCHOOL GP-3/0-2'

Parameter	Result	RL	Units	Date	Time	By	Reference
Arsenic	3.94	1	mg/Kg	03/08/06		EKT	6010/E200.7
Cadmium	< 0.5	0.5	mg/Kg	03/08/06		EKT	6010/E200.7
Chromium	10.7	0.5	mg/Kg	03/08/06		EKT	6010/E200.7
Mercury - Soil	< 0.10	0.10	mg/kg	03/08/06		RS	SW-7471
Lead	9.07	0.5	mg/Kg	03/08/06		EK	6010/E200.7
Percent Solid	81		%	03/07/06		L	E160.3
Extraction of CT ETPH	Completed			03/06/06		C/S/D	3550/5030
Mercury Digestion	Completed			03/08/06		E	SW7471
Soil Ext. for Pesticide	Completed			03/06/06		CS/D	3545
Total Metals Digest	Completed			03/06/06		AG	SW846 - 3050

TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	10	mg/Kg	03/07/06	JRB	M8100CT
Identification	ND		mg/Kg	03/07/06	JRB	M8100CT

QA/QC Surrogates

% n-Pentacosane	78	%	03/07/06	JRB	M8100CT
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Pesticides - Soil

4,4'-DDD	ND	32	ug/Kg	03/08/06	KCA	SW8081
4,4'-DDE	240	32	ug/Kg	03/08/06	KCA	SW8081
4,4'-DDT	420	32	ug/Kg	03/08/06	KCA	SW8081
a-BHC	ND	16	ug/Kg	03/08/06	KCA	SW8081
Aldrin	ND	7	ug/Kg	03/08/06	KCA	SW8081
b-BHC	ND	16	ug/Kg	03/08/06	KCA	SW8081
Chlordane	830	66	ug/Kg	03/08/06	KCA	SW8081

Client ID: ENRICO FERMI HIGH SCHOOL GP-3/0-2'

Phoenix I.D.: AH05453

Parameter	Result	RL	Units	Date	Time	By	Reference
d-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Dieldrin	1200	350	ug/Kg	03/08/06		KCA	SW8081
Endosulfan I	ND	16	ug/Kg	03/08/06		KCA	SW8081
Endosulfan II	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endosulfan sulfate	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin aldehyde	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin ketone	ND	32	ug/Kg	03/08/06		KCA	SW8081
g-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Heptachlor	ND	13	ug/Kg	03/08/06		KCA	SW8081
Heptachlor epoxide	ND	16	ug/Kg	03/08/06		KCA	SW8081
Methoxychlor	ND	160	ug/Kg	03/08/06		KCA	SW8081
Toxaphene	ND	160	ug/Kg	03/08/06		KCA	SW8081
QA/QC Surrogates							
% DCBP (Surrogate Rec)	39		%	03/08/06		KCA	SW8081
% TCMX (Surrogate Rec)	108		%	03/08/06		KCA	SW8081

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 13, 2006



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 13, 2006

FOR: Attn: Mr. Tim Carr
 GeoDesign
 984 Southford Road
 Middlebury, CT 06762

Sample Information

Matrix: SOIL
 Location Code: GEODSIGN
 Rush Request:
 P.O.#: 663-02.0

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

Time

03/06/06 10:00

03/06/06 14:50

SDG I.D.: GAH05451

Phoenix I.D.: AH05454

Laboratory Data

Client ID: ENRICO FERMI HIGH SCHOOL GP-4/0-2¹

Parameter	Result	RL	Units	Date	Time	By	Reference
Arsenic	2.21	1	mg/Kg	03/08/06		EKT	6010/E200.7
Cadmium	< 0.5	0.5	mg/Kg	03/08/06		EKT	6010/E200.7
Chromium	11.9	0.5	mg/Kg	03/08/06		EKT	6010/E200.7
Mercury - Soil	< 0.10	0.10	mg/kg	03/08/06		RS	SW-7471
Lead	15.3	0.5	mg/Kg	03/08/06		EK	6010/E200.7
Percent Solid	84		%	03/07/06		L	E160.3
Mercury Digestion	Completed			03/08/06		E	SW7471
Soil Ext. for Pesticide	Completed			03/06/06		CS/D	3545
Total Metals Digest	Completed			03/06/06		AG	SW846 - 3050

Pesticides - Soil

4,4' -DDD	ND	32	ug/Kg	03/08/06	KCA	SW8081
4,4' -DDE	94	32	ug/Kg	03/08/06	KCA	SW8081
4,4' -DDT	83	32	ug/Kg	03/08/06	KCA	SW8081
a-BHC	ND	16	ug/Kg	03/08/06	KCA	SW8081
Aldrin	ND	7	ug/Kg	03/08/06	KCA	SW8081
b-BHC	ND	16	ug/Kg	03/08/06	KCA	SW8081
Chlordane	ND	66	ug/Kg	03/08/06	KCA	SW8081
d-BHC	ND	16	ug/Kg	03/08/06	KCA	SW8081
Dieldrin	690	350	ug/Kg	03/08/06	KCA	SW8081
Endosulfan I	ND	16	ug/Kg	03/08/06	KCA	SW8081
Endosulfan II	ND	32	ug/Kg	03/08/06	KCA	SW8081
Endosulfan sulfate	ND	32	ug/Kg	03/08/06	KCA	SW8081
Endrin	ND	32	ug/Kg	03/08/06	KCA	SW8081
Endrin aldehyde	ND	32	ug/Kg	03/08/06	KCA	SW8081

Client ID: ENRICO FERMI HIGH SCHOOL GP-4/0-2¹

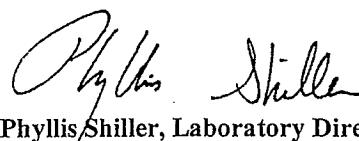
Phoenix I.D.: AH05454

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin ketone	ND	32	ug/Kg	03/08/06		KCA	SW8081
g-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Heptachlor	ND	13	ug/Kg	03/08/06		KCA	SW8081
Heptachlor epoxide	ND	16	ug/Kg	03/08/06		KCA	SW8081
Methoxychlor	ND	160	ug/Kg	03/08/06		KCA	SW8081
Toxaphene	ND	160	ug/Kg	03/08/06		KCA	SW8081
<u>QA/QC Surrogates</u>							
% DCBP (Surrogate Rec)	52		%	03/08/06		KCA	SW8081
% TCMX (Surrogate Rec)	102		%	03/08/06		KCA	SW8081

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 13, 2006



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 13, 2006

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information

Matrix: SOIL
Location Code: GEODSIGN
Rush Request:
P.O.#: 663-02.0

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time

03/06/06 10:45
03/06/06 14:50

SDG I.D.: GAH05451

Phoenix I.D.: AH05455

Laboratory Data

Client ID: ENRICO FERMI HIGH SCHOOL GP-5/1-3'

Parameter	Result	RL	Units	Date	Time	By	Reference
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Percent Solid	83		%	03/07/06		L	E160.3
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Soil Ext. for Pesticide	Completed			03/06/06		CS/D	3545
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Pesticides - Soil

4,4'-DDD	170	32	ug/Kg	03/08/06		KCA	SW8081
4,4'-DDE	170	32	ug/Kg	03/08/06		KCA	SW8081
4,4'-DDT	190	32	ug/Kg	03/08/06		KCA	SW8081
a-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Aldrin	ND	7	ug/Kg	03/08/06		KCA	SW8081
b-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Chlordane	1600	66	ug/Kg	03/08/06		KCA	SW8081
d-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Dieldrin	600	140	ug/Kg	03/08/06		KCA	SW8081
Endosulfan I	ND	16	ug/Kg	03/08/06		KCA	SW8081
Endosulfan II	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endosulfan sulfate	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin aldehyde	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin ketone	ND	32	ug/Kg	03/08/06		KCA	SW8081
g-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Heptachlor	ND	13	ug/Kg	03/08/06		KCA	SW8081
Heptachlor epoxide	ND	16	ug/Kg	03/08/06		KCA	SW8081
Methoxychlor	ND	160	ug/Kg	03/08/06		KCA	SW8081
Toxaphene	ND	160	ug/Kg	03/08/06		KCA	SW8081

QA/QC Surrogates

Client ID: ENRICO FERMI HIGH SCHOOL GP-5/1-3'

Phoenix I.D.: AH05455

Parameter	Result	RL	Units	Date	Time	By	Reference
% DCBP (Surrogate Rec)	39		%	03/08/06		KCA	SW8081
% TCMX (Surrogate Rec)	101		%	03/08/06		KCA	SW8081

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director

March 13, 2006



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 13, 2006

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information

Matrix: SOIL
Location Code: GEODSIGN
Rush Request:
P.O.#: 663-02.0

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time

03/06/06 10:33
03/06/06 14:50

SDG I.D.: GAH05451
Phoenix I.D.: AH05456

Laboratory Data

Client ID: ENRICO FERMI HIGH SCHOOL GP-6/4-5'

Parameter	Result	RL	Units	Date	Time	By	Reference
Arsenic	1.08	1	mg/Kg	03/08/06		EKT	6010/E200.7
Cadmium	< 0.5	0.5	mg/Kg	03/08/06		EKT	6010/E200.7
Chromium	10.5	0.5	mg/Kg	03/08/06		EKT	6010/E200.7
Mercury - Soil	< 0.10	0.10	mg/kg	03/08/06		RS	SW-7471
Lead	2.92	0.5	mg/Kg	03/08/06		EK	6010/E200.7
Percent Solid	95		%	03/07/06		L	E160.3
Field Extraction	Completed			03/06/06		GEO	SW5035
Mercury Digestion	Completed			03/08/06		E	SW7471
Soil Ext. for Pesticide	Completed			03/06/06		CS/D	3545
Total Metals Digest	Completed			03/06/06		AG	SW846 - 3050

Pesticides - Soil

4,4' -DDD	ND	32	ug/Kg	03/08/06		KCA	SW8081
4,4' -DDE	ND	32	ug/Kg	03/08/06		KCA	SW8081
4,4' -DDT	ND	32	ug/Kg	03/08/06		KCA	SW8081
a-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Aldrin	ND	7	ug/Kg	03/08/06		KCA	SW8081
b-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Chlordane	ND	66	ug/Kg	03/08/06		KCA	SW8081
d-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Dieldrin	ND	7.0	ug/Kg	03/08/06		KCA	SW8081
Endosulfan I	ND	16	ug/Kg	03/08/06		KCA	SW8081
Endosulfan II	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endosulfan sulfate	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin	ND	32	ug/Kg	03/08/06		KCA	SW8081

Client ID: ENRICO FERMI HIGH SCHOOL GP-6/4-5'

Phoenix I.D.: AH05456

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin aldehyde	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin ketone	ND	32	ug/Kg	03/08/06		KCA	SW8081
g-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Heptachlor	ND	13	ug/Kg	03/08/06		KCA	SW8081
Heptachlor epoxide	ND	16	ug/Kg	03/08/06		KCA	SW8081
Methoxychlor	ND	160	ug/Kg	03/08/06		KCA	SW8081
Toxaphene	ND	160	ug/Kg	03/08/06		KCA	SW8081
<u>QA/QC Surrogates</u>							
% DCBP (Surrogate Rec)	93		%	03/08/06		KCA	SW8081
% TCMX (Surrogate Rec)	104		%	03/08/06		KCA	SW8081
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,1,1-Trichloroethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,1,2-Trichloroethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,1-Dichloroethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,1-Dichloroethene	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,1-Dichloropropene	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,2,3-Trichlorobenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,2,3-Trichloropropane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,2,4-Trichlorobenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,2,4-Trimethylbenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,2-Dichlorobenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,2-Dichloroethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,2-Dichloropropane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,3,5-Trimethylbenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,3-Dichlorobenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,3-Dichloropropane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,4-Dichlorobenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
2,2-Dichloropropane	ND	10	ug/Kg	03/08/06		R/J	SW8260
2-Chlorotoluene	ND	10	ug/Kg	03/08/06		R/J	SW8260
4-Chlorotoluene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Benzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Bromobenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Bromochloromethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Bromodichloromethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Bromoform	ND	10	ug/Kg	03/08/06		R/J	SW8260
Bromomethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Carbon tetrachloride	ND	10	ug/Kg	03/08/06		R/J	SW8260
Chlorobenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Chloroethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Chloroform	ND	10	ug/Kg	03/08/06		R/J	SW8260

Client ID: ENRICO FERMI HIGH SCHOOL GP-6/4-5'

Phoenix I.D.: AH05456

Parameter	Result	RL	Units	Date	Time	By	Reference
Chloromethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
cis-1,2-Dichloroethene	ND	10	ug/Kg	03/08/06		R/J	SW8260
cis-1,3-Dichloropropene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Dibromochloromethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Dibromoethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Dibromomethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Dichlorodifluoromethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Ethylbenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Hexachlorobutadiene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Isopropylbenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
m&p-Xylene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Methyl Ethyl Ketone	ND	60	ug/Kg	03/08/06		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	20	ug/Kg	03/08/06		R/J	SW8260
Methylene chloride	ND	10	ug/Kg	03/08/06		R/J	SW8260
n-Butylbenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
n-Propylbenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Naphthalene	ND	10	ug/Kg	03/08/06		R/J	SW8260
o-Xylene	ND	10	ug/Kg	03/08/06		R/J	SW8260
p-Isopropyltoluene	ND	10	ug/Kg	03/08/06		R/J	SW8260
sec-Butylbenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Styrene	ND	10	ug/Kg	03/08/06		R/J	SW8260
tert-Butylbenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Tetrachloroethene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Toluene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Total Xylenes	ND	10	ug/Kg	03/08/06		R/J	SW8260
trans-1,2-Dichloroethene	ND	10	ug/Kg	03/08/06		R/J	SW8260
trans-1,3-Dichloropropene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Trichloroethene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Trichlorofluoromethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Vinyl chloride	ND	10	ug/Kg	03/08/06		R/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	104		%	03/08/06		R/J	SW8260
% Bromofluorobenzene	97		%	03/08/06		R/J	SW8260
% Dibromofluoromethane	102		%	03/08/06		R/J	SW8260
% Toluene-d8	102		%	03/08/06		R/J	SW8260

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.


Phyllis Shiller, Laboratory Director
March 13, 2006



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 13, 2006

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information

Matrix: SOIL
Location Code: GEODSIGN
Rush Request:
P.O.#: 663-02.0

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

Time

03/06/06 11:10

03/06/06 14:50

SDG I.D.: GAH05451

Phoenix I.D.: AH05457

Laboratory Data

Client ID: ENRICO FERMI HIGH SCHOOL GP-7/1-2'

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	91		%	03/07/06		L	E160.3
Soil Ext. for Pesticide	Completed			03/06/06		CS/D	3545
Pesticides - Soil							
4,4'-DDD	ND	32	ug/Kg	03/08/06		KCA	SW8081
4,4'-DDE	ND	32	ug/Kg	03/08/06		KCA	SW8081
4,4'-DDT	49	32	ug/Kg	03/08/06		KCA	SW8081
a-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Aldrin	ND	7	ug/Kg	03/08/06		KCA	SW8081
b-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Chlordane	200	66	ug/Kg	03/08/06		KCA	SW8081
d-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Dieldrin	290	7.0	ug/Kg	03/08/06		KCA	SW8081
Endosulfan I	ND	16	ug/Kg	03/08/06		KCA	SW8081
Endosulfan II	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endosulfan sulfate	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin aldehyde	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin ketone	ND	32	ug/Kg	03/08/06		KCA	SW8081
g-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Heptachlor	ND	13	ug/Kg	03/08/06		KCA	SW8081
Heptachlor epoxide	ND	16	ug/Kg	03/08/06		KCA	SW8081
Methoxychlor	ND	160	ug/Kg	03/08/06		KCA	SW8081
Toxaphene	ND	160	ug/Kg	03/08/06		KCA	SW8081

QA/QC Surrogates

Client ID: ENRICO FERMI HIGH SCHOOL GP-7/1-2'

Phoenix I.D.: AH05457

Parameter	Result	RL	Units	Date	Time	By	Reference
% DCBP (Surrogate Rec)	89		%	03/08/06		KCA	SW8081
% TCMX (Surrogate Rec)	109		%	03/08/06		KCA	SW8081

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director

March 13, 2006



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 13, 2006

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information

Matrix: SOIL
Location Code: GEODSIGN
Rush Request:
P.O.#: 663-02.0

Custody Information

Collected by: SW
Received by: SW
Analyzed by: see "By" below

Date

Time

03/06/06 11:27

03/06/06 14:50

SDG I.D.: GAH05451

Phoenix I.D.: AH05458

Laboratory Data

Client ID: ENRICO FERMI HIGH SCHOOL GP-8/0-2'

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	80		%	03/07/06		L	E160.3
Extraction of CT ETPH	Completed			03/06/06		C/S/D	3550/5030
Field Extraction	Completed			03/06/06		GEO	SW5035
Soil Ext. for Pesticide	Completed			03/06/06		CS/D	3545
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	03/07/06		JRB	M8100CT
Identification	ND		mg/Kg	03/07/06		JRB	M8100CT
QA/QC Surrogates							
% n-Pentacosane	80		%	03/07/06		JRB	M8100CT
Pesticides - Soil							
4,4'-DDD	ND	32	ug/Kg	03/08/06		KCA	SW8081
4,4'-DDE	220	32	ug/Kg	03/08/06		KCA	SW8081
4,4'-DDT	130	32	ug/Kg	03/08/06		KCA	SW8081
a-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Aldrin	ND	7	ug/Kg	03/08/06		KCA	SW8081
b-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Chlordane	ND	66	ug/Kg	03/08/06		KCA	SW8081
d-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Dieldrin	780	350	ug/Kg	03/08/06		KCA	SW8081
Endosulfan I	ND	16	ug/Kg	03/08/06		KCA	SW8081
Endosulfan II	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endosulfan sulfate	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin	ND	32	ug/Kg	03/08/06		KCA	SW8081

Client ID: ENRICO FERMI HIGH SCHOOL GP-8/0-2'

Phoenix I.D.: AH05458

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin aldehyde	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin ketone	ND	32	ug/Kg	03/08/06		KCA	SW8081
g-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Heptachlor	ND	13	ug/Kg	03/08/06		KCA	SW8081
Heptachlor epoxide	ND	16	ug/Kg	03/08/06		KCA	SW8081
Methoxychlor	ND	160	ug/Kg	03/08/06		KCA	SW8081
Toxaphene	ND	160	ug/Kg	03/08/06		KCA	SW8081
<u>QA/QC Surrogates</u>							
% DCBP (Surrogate Rec)	57		%	03/08/06		KCA	SW8081
% TCMX (Surrogate Rec)	102		%	03/08/06		KCA	SW8081

Volatiles

1,1,1,2-Tetrachloroethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,1,1-Trichloroethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,1,2-Trichloroethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,1-Dichloroethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,1-Dichloroethene	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,1-Dichloropropene	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,2,3-Trichlorobenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,2,3-Trichloropropane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,2,4-Trichlorobenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,2,4-Trimethylbenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,2-Dichlorobenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,2-Dichloroethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,2-Dichloropropane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,3,5-Trimethylbenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,3-Dichlorobenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,3-Dichloropropane	ND	10	ug/Kg	03/08/06		R/J	SW8260
1,4-Dichlorobenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
2,2-Dichloropropane	ND	10	ug/Kg	03/08/06		R/J	SW8260
2-Chlorotoluene	ND	10	ug/Kg	03/08/06		R/J	SW8260
4-Chlorotoluene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Benzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Bromobenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Bromochloromethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Bromodichloromethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Bromoform	ND	10	ug/Kg	03/08/06		R/J	SW8260
Bromomethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Carbon tetrachloride	ND	10	ug/Kg	03/08/06		R/J	SW8260
Chlorobenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Chloroethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Chloroform	ND	10	ug/Kg	03/08/06		R/J	SW8260

Client ID: ENRICO FERMI HIGH SCHOOL GP-8/0-2¹

Phoenix I.D.: AH05458

Parameter	Result	RL	Units	Date	Time	By	Reference
Chloromethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
cis-1,2-Dichloroethene	ND	10	ug/Kg	03/08/06		R/J	SW8260
cis-1,3-Dichloropropene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Dibromochloromethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Dibromoethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Dibromomethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Dichlorodifluoromethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Ethylbenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Hexachlorobutadiene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Isopropylbenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
m&p-Xylene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Methyl Ethyl Ketone	ND	60	ug/Kg	03/08/06		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	20	ug/Kg	03/08/06		R/J	SW8260
Methylene chloride	ND	10	ug/Kg	03/08/06		R/J	SW8260
n-Butylbenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
n-Propylbenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Naphthalene	ND	10	ug/Kg	03/08/06		R/J	SW8260
o-Xylene	ND	10	ug/Kg	03/08/06		R/J	SW8260
p-Isopropyltoluene	ND	10	ug/Kg	03/08/06		R/J	SW8260
sec-Butylbenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Styrene	ND	10	ug/Kg	03/08/06		R/J	SW8260
tert-Butylbenzene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Tetrachloroethene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Toluene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Total Xylenes	ND	10	ug/Kg	03/08/06		R/J	SW8260
trans-1,2-Dichloroethene	ND	10	ug/Kg	03/08/06		R/J	SW8260
trans-1,3-Dichloropropene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Trichloroethene	ND	10	ug/Kg	03/08/06		R/J	SW8260
Trichlorofluoromethane	ND	10	ug/Kg	03/08/06		R/J	SW8260
Vinyl chloride	ND	10	ug/Kg	03/08/06		R/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	03/08/06		R/J	SW8260
% Bromofluorobenzene	98		%	03/08/06		R/J	SW8260
% Dibromofluoromethane	102		%	03/08/06		R/J	SW8260
% Toluene-d8	102		%	03/08/06		R/J	SW8260

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.


Phyllis Shiller, Laboratory Director
March 13, 2006



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 13, 2006

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

<u>Sample Information</u>	<u>Custody Information</u>	<u>Date</u>	<u>Time</u>
Matrix: SOIL	Collected by:	03/06/06	11:40
Location Code: GEODSIGN	Received by: SW	03/06/06	14:50
Rush Request:	Analyzed by: see "By" below		
P.O.#: 663-02.0		SDG I.D.: GAH05451	
		Phoenix I.D.: AH05459	

Laboratory Data

Client ID: ENRICO FERMI HIGH SCHOOL GP-9/1-3'

Parameter	Result	RL	Units	Date	Time	By	Reference
Arsenic	1.78	1	mg/Kg	03/08/06		EKT	6010/E200.7
Cadmium	< 0.5	0.5	mg/Kg	03/08/06		EKT	6010/E200.7
Chromium	8.94	0.5	mg/Kg	03/08/06		EKT	6010/E200.7
Mercury - Soil	< 0.10	0.10	mg/kg	03/09/06		RS	SW-7471
Lead	4.34	0.5	mg/Kg	03/08/06		EK	6010/E200.7
Percent Solid	93		%	03/07/06		L	E160.3
Mercury Digestion	Completed			03/09/06		E	SW7471
Soil Ext. for Pesticide	Completed			03/06/06		CS/D	3545
Total Metals Digest	Completed			03/06/06		AG	SW846 - 3050

Pesticides - Soil

4,4' -DDD	ND	32	ug/Kg	03/08/06		KCA	SW8081
4,4' -DDE	ND	32	ug/Kg	03/08/06		KCA	SW8081
4,4' -DDT	ND	32	ug/Kg	03/08/06		KCA	SW8081
a-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Aldrin	ND	7	ug/Kg	03/08/06		KCA	SW8081
b-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Chlordane	95	66	ug/Kg	03/08/06		KCA	SW8081
d-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Dieldrin	110	7.0	ug/Kg	03/08/06		KCA	SW8081
Endosulfan I	ND	16	ug/Kg	03/08/06		KCA	SW8081
Endosulfan II	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endosulfan sulfate	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin aldehyde	ND	32	ug/Kg	03/08/06		KCA	SW8081

Client ID: ENRICO FERMI HIGH SCHOOL GP-9/1-3'

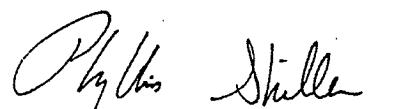
Phoenix I.D.: AH05459

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin ketone	ND	32	ug/Kg	03/08/06		KCA	SW8081
g-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Heptachlor	ND	13	ug/Kg	03/08/06		KCA	SW8081
Heptachlor epoxide	ND	16	ug/Kg	03/08/06		KCA	SW8081
Methoxychlor	ND	160	ug/Kg	03/08/06		KCA	SW8081
Toxaphene	ND	160	ug/Kg	03/08/06		KCA	SW8081
<u>QA/QC Surrogates</u>							
% DCBP (Surrogate Rec)	91		%	03/08/06		KCA	SW8081
% TCMX (Surrogate Rec)	121		%	03/08/06		KCA	SW8081

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director

March 13, 2006



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 13, 2006

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information

Matrix: SOIL
Location Code: GEODSIGN
Rush Request:
P.O.#: 663-02.0

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time

03/06/06 11:59
03/06/06 14:50

SDG I.D.: GAH05451

Phoenix I.D.: AH05460

Laboratory Data

Client ID: ENRICO FERMI HIGH SCHOOL GP-10/4-6'

Parameter	Result	RL	Units	Date	Time	By	Reference
Arsenic	1.58	1	mg/Kg	03/08/06		EKT	6010/E200.7
Cadmium	< 0.5	0.5	mg/Kg	03/08/06		EKT	6010/E200.7
Chromium	13.2	0.5	mg/Kg	03/08/06		EKT	6010/E200.7
Mercury - Soil	< 0.10	0.10	mg/kg	03/09/06		RS	SW-7471
Lead	4.17	0.5	mg/Kg	03/08/06		EK	6010/E200.7
Percent Solid	86		%	03/07/06		L	E160.3
Mercury Digestion	Completed			03/09/06		E	SW7471
Soil Ext. for Pesticide	Completed			03/06/06		CS/D	3545
Total Metals Digest	Completed			03/06/06		AG	SW846 - 3050
<u>Pesticides - Soil</u>							
4,4'-DDD	ND	32	ug/Kg	03/08/06		KCA	SW8081
4,4'-DDE	ND	32	ug/Kg	03/08/06		KCA	SW8081
4,4'-DDT	ND	32	ug/Kg	03/08/06		KCA	SW8081
a-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Aldrin	ND	7	ug/Kg	03/08/06		KCA	SW8081
b-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Chlordane	ND	66	ug/Kg	03/08/06		KCA	SW8081
d-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Dieldrin	ND	7.0	ug/Kg	03/08/06		KCA	SW8081
Endosulfan I	ND	16	ug/Kg	03/08/06		KCA	SW8081
Endosulfan II	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endosulfan sulfate	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin	ND	32	ug/Kg	03/08/06		KCA	SW8081
Endrin aldehyde	ND	32	ug/Kg	03/08/06		KCA	SW8081

Client ID: ENRICO FERMI HIGH SCHOOL GP-10/4-6'

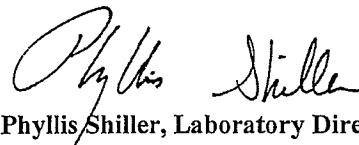
Phoenix I.D.: AH05460

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin ketone	ND	32	ug/Kg	03/08/06		KCA	SW8081
g-BHC	ND	16	ug/Kg	03/08/06		KCA	SW8081
Heptachlor	ND	13	ug/Kg	03/08/06		KCA	SW8081
Heptachlor epoxide	ND	16	ug/Kg	03/08/06		KCA	SW8081
Methoxychlor	ND	160	ug/Kg	03/08/06		KCA	SW8081
Toxaphene	ND	160	ug/Kg	03/08/06		KCA	SW8081
<u>QA/QC Surrogates</u>							
% DCBP (Surrogate Rec)	67		%	03/08/06		KCA	SW8081
% TCMX (Surrogate Rec)	77		%	03/08/06		KCA	SW8081

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 13, 2006



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0828

QA/QC Report

March 13, 2006

QA/QC Data

SDG I.D.: GAH05451

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch Sample No: AH05202 (AH05451, AH05453, AH05454, AH05456)								
Mercury - Soil	BDL		96			96	91	5.3
QA/QC Batch Sample No: AH05317 (AH05451, AH05453, AH05454, AH05456, AH05459, AH05460)								
ICP Metals - Soil								
Aluminum	BDL	2.50	107			NC	NC	
Antimony	BDL	NC	96.9			75.9	81.2	6.7
Arsenic	BDL	NC	95.6			85.8	90.6	5.4
Barium	BDL	19.8	105			88.4	89.9	1.7
Beryllium	BDL	NC	98.7			85.8	89.9	4.7
Boron	BDL	---	---			---	---	
Cadmium	BDL	NC	98.6			82.0	85.9	4.6
Calcium	BDL	---	---			---	---	
Chromium	BDL	14.6	99.6			81.2	87.9	7.9
Cobalt	BDL	7.50	99.8			83.3	87.9	5.4
Copper	BDL	11.2	103			95.4	98.4	2.1
Iron	1.5	3.00	---			NC	125	
Lead	BDL	7.50	101			89.7	126	33.7
Magnesium	BDL	---	---			---	---	
Manganese	BDL	2.40	108			83.4	100	18.1
Molybdenum	BDL	---	---			---	---	
Nickel	BDL	1.80	99.4			82.3	85.9	4.3
Phosphorus	BDL	---	---			---	---	
Potassium						---		
Selenium	BDL	NC	91.8			82.6	87.8	6.1
Silver	BDL	NC	106			95.0	98.9	4.0
Sodium						---		
Thallium	BDL	NC	96.6			81.9	85.7	4.5
Tin	BDL	---	---			---	---	
Vanadium	BDL	1.30	103			87.8	90.6	3.1
Zinc	BDL	0.9	93.9			87.9	86.7	1.4
QA/QC Batch Sample No: AH06361 (AH05459, AH05460)								
Mercury - Soil	BDL		94			101	102	1.0

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

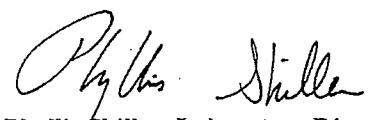
RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate



Phyllis Shiller, Laboratory Director

March 13, 2006



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0828

QA/QC Report

March 13, 2006

QA/QC Data

SDG I.D.: GAH05451

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
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QA/QC Batch Sample No: AH05217 (AH05458)

TPH by GC (Extractable Products)

Aviation Fuel/Kerosene	ND						
Fuel Oil #2/ Diesel Fuel	ND		118				
Fuel Oil #4	ND						
Fuel Oil #6	ND						
Motor Oil	ND						
Other Oil (Cutting & Lubricating)	ND						
Unidentified	ND						

Comment: *The MS/MSD could not be analyzed because of matrix interference. The LCS was within QA/QC criteria.

QA/QC Batch Sample No: AH05319 (AH05453)

TPH by GC (Extractable Products)

Aviation Fuel/Kerosene	ND						
Fuel Oil #2/ Diesel Fuel	ND	98			92	87	5.6
Fuel Oil #4	ND						
Fuel Oil #6	ND						
Motor Oil	ND						
Other Oil (Cutting & Lubricating)	ND						
Unidentified	ND						

QA/QC Batch Sample No: AH05451 (AH05451, AH05452, AH05453, AH05454, AH05455, AH05456, AH05457, AH05458, AH05459, AH05460)

Pesticides

4,4'-DDD	ND	103		127	127	0.0
4,4'-DDE	ND	104		*	*	
4,4'-DDT	ND	100		*	*	
a-BHC	ND	96		99	94	5.2
Aldrin	ND	103		97	102	5.0
b-BHC	ND	101		102	99	3.0
Chlordane	ND			*	*	
d-BHC	ND	83		90	76	16.9
Dieldrin	ND	109		*	*	
Endosulfan I	ND	46		81	77	5.1
Endosulfan II	ND	70		113	116	2.6
Endosulfan sulfate	ND	78		105	105	0.0

QA/QC Data

SDG I.D.: GAH05451

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Endrin	ND	76			100	102	2.0
Endrin aldehyde	ND						
g-BHC	ND	103			106	107	0.9
Heptachlor	ND	114			112	109	2.7
Heptachlor epoxide	ND	103			*	*	
Methoxychlor	ND						
Toxaphene	ND						
% DCBP (Surrogate Rec)	100	100			50	45	10.5
% TCMX (Surrogate Rec)	98	102			113	90	22.7

QA/QC Batch Sample No: AH05976 (AH05456, AH05458)

Volatile

1,1,1,2-Tetrachloroethane	ND	105			98	94	4.2
1,1,1-Trichloroethane	ND	98			103	100	3.0
1,1,2,2-Tetrachloroethane	ND	96			84	81	3.6
1,1,2-Trichloroethane	ND	90			91	87	4.5
1,1-Dichloroethane	ND	100			101	98	3.0
1,1-Dichloroethene	ND	92			101	98	3.0
1,1-Dichloropropene	ND	98			92	89	3.3
1,2,3-Trichlorobenzene	ND	100			46	49	6.3
1,2,3-Trichloropropane	ND	100			90	86	4.5
1,2,4-Trichlorobenzene	ND	97			46	49	6.3
1,2,4-Trimethylbenzene	ND	100			77	75	2.6
1,2-Dibromo-3-chloropropane	ND	100			76	76	0.0
1,2-Dichlorobenzene	ND	97			68	66	3.0
1,2-Dichloroethane	ND	95			98	92	6.3
1,2-Dichloropropane	ND	96			94	91	3.2
1,3,5-Trimethylbenzene	ND	100			81	78	3.8
1,3-Dichlorobenzene	ND	95			68	66	3.0
1,3-Dichloropropane	ND	106			98	92	6.3
1,4-Dichlorobenzene	ND	96			67	65	3.0
2,2-Dichloropropane	ND	97			97	94	3.1
2-Chlorotoluene	ND	98			77	74	4.0
4-Chlorotoluene	ND	97			72	71	1.4
Benzene	ND	95			94	91	3.2
Bromobenzene	ND	98			78	75	3.9
Bromochloromethane	ND	104			93	89	4.4
Bromodichloromethane	ND	99			99	95	4.1
Bromoform	ND	100			98	93	5.2
Bromomethane	ND	94			80	84	4.9
Carbon tetrachloride	ND	98			106	101	4.8
Chlorobenzene	ND	102			87	84	3.5

QA/QC Data

SDG I.D.: GAH05451

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Chloroethane	ND	98			105	104	1.0
Chloroform	ND	100			101	96	5.1
Chloromethane	ND	156			170	170	0.0
cis-1,2-Dichloroethene	ND	99			93	90	3.3
cis-1,3-Dichloropropene	ND	94			76	76	0.0
Dibromochloromethane	ND	102			98	92	6.3
Dibromoethane	ND	104			85	82	3.6
Dibromomethane	ND	99			97	93	4.2
Dichlorodifluoromethane	ND	79			137	129	6.0
Ethylbenzene	ND	104			92	89	3.3
Hexachlorobutadiene	ND	96			51	54	5.7
Isopropylbenzene	ND	112			83	81	2.4
m&p-Xylene	ND	104			91	87	4.5
Methyl Ethyl Ketone	ND						
Methyl t-butyl ether (MTBE)	ND	100			101	98	3.0
Methylene chloride	ND	87			85	82	3.6
n-Butylbenzene	ND	99			65	68	4.5
n-Propylbenzene	ND	100			78	75	3.9
Naphthalene	ND	113			57	59	3.4
o-Xylene	ND	106			92	86	6.7
p-Isopropyltoluene	ND	103			74	73	1.4
sec-Butylbenzene	ND	95			76	75	1.3
Styrene	ND	102			84	78	7.4
tert-Butylbenzene	ND	104			82	82	0.0
Tetrachloroethene	ND	95			93	90	3.3
Toluene	ND	96			90	87	3.4
Total Xylenes	ND						
trans-1,2-Dichloroethene	ND	94			96	93	3.2
trans-1,3-Dichloropropene	ND	90			79	78	1.3
Trichloroethene	ND	96			89	87	2.3
Trichlorofluoromethane	ND	105			111	106	4.6
Vinyl chloride	ND	95			111	110	0.9
% 1,2-dichlorobenzene-d4	102	101			100	100	0.0
% Bromofluorobenzene	95	101			107	107	0.0
% Dibromofluoromethane	104	102			108	108	0.0
% Toluene-d8	100	98			102	102	0.0

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

Phyllis Shiller, Laboratory Director

March 13, 2006

APPENDIX 4
GROUNDWATER ANALYTICAL DATA SHEETS



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 13, 2006

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information

Matrix: WATER

Location Code: GEODSIGN

Rush Request:

P.O.#: 663-02

Custody Information

Collected by:

Received by: SW

Analyzed by: see "By" below

Date

03/06/06

Time

0:00

03/06/06

14:50

SDG I.D.: GAH05461

Phoenix I.D.: AH05461

Laboratory Data

Client ID: ENRICO FERMI HIGH SCHOOL GP-1

Parameter	Result	RL	Units	Date	Time	By	Reference
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Extraction of CT ETPH	Completed			03/06/06		O/D	3550/5030
Extraction for Pest (2 Liter)	Completed			03/06/06		O/D	3520MOD

TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	0.1	mg/L	03/07/06		JRB	M8100CT
Identification	ND		mg/L	03/07/06		JRB	M8100CT

QA/QC Surrogates

% n-Pentacosane	90		%	03/07/06		JRB	M8100CT
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Pesticides

4,4'-DDD	ND	0.1	ug/L	03/08/06		KCA	SW8081
4,4'-DDE	ND	0.1	ug/L	03/08/06		KCA	SW8081
4,4'-DDT	ND	0.1	ug/L	03/08/06		KCA	SW8081
a-BHC	ND	0.05	ug/L	03/08/06		KCA	SW8081
Aldrin	ND	0.05	ug/L	03/08/06		KCA	SW8081
b-BHC	ND	0.05	ug/L	03/08/06		KCA	SW8081
Chlordane	ND	0.3	ug/L	03/08/06		KCA	SW8081
d-BHC	ND	0.05	ug/L	03/08/06		KCA	SW8081
Dieldrin	0.021	0.002	ug/L	03/08/06		KCA	SW8081
Endosulfan I	ND	0.05	ug/L	03/08/06		KCA	SW8081
Endosulfan II	ND	0.1	ug/L	03/08/06		KCA	SW8081
Endosulfan Sulfate	ND	0.1	ug/L	03/08/06		KCA	SW8081
Endrin	ND	0.1	ug/L	03/08/06		KCA	SW8081
Endrin Aldehyde	ND	0.1	ug/L	03/08/06		KCA	SW8081
g-BHC (Lindane)	ND	0.05	ug/L	03/08/06		KCA	SW8081

Client ID: ENRICO FERMI HIGH SCHOOL GP-1

Phoenix I.D.: AH05461

Parameter	Result	RL	Units	Date	Time	By	Reference
Heptachlor	ND	0.05	ug/L	03/08/06		KCA	SW8081
Heptachlor epoxide	ND	0.05	ug/L	03/08/06		KCA	SW8081
Methoxychlor	ND	0.2	ug/L	03/08/06		KCA	SW8081
Toxaphene	ND	1.0	ug/L	03/08/06		KCA	SW8081
<u>QA/QC Surrogates</u>							
%DCBP (Surrogate Rec)	26		%	03/08/06		KCA	SW8081
%TCMX (Surrogate Rec)	106		%	03/08/06		KCA	SW8081
Volatile Water							
1,1,1,2-Tetrachloroethane	ND	1	ug/L	03/06/06		R/J	SW8260
1,1,1-Trichloroethane	ND	1	ug/L	03/06/06		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	03/06/06		R/J	SW8260
1,1,2-Trichloroethane	ND	1	ug/L	03/06/06		R/J	SW8260
1,1-Dichloroethane	ND	1	ug/L	03/06/06		R/J	SW8260
1,1-Dichloroethene	ND	1	ug/L	03/06/06		R/J	SW8260
1,1-Dichloropropene	ND	1	ug/L	03/06/06		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1	ug/L	03/06/06		R/J	SW8260
1,2,3-Trichloropropane	ND	1	ug/L	03/06/06		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1	ug/L	03/06/06		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1	ug/L	03/06/06		R/J	SW8260
1,2-Dichlorobenzene	ND	1	ug/L	03/06/06		R/J	SW8260
1,2-Dichloroethane	ND	1	ug/L	03/06/06		R/J	SW8260
1,2-Dichloropropane	ND	1	ug/L	03/06/06		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1	ug/L	03/06/06		R/J	SW8260
1,3-Dichlorobenzene	ND	1	ug/L	03/06/06		R/J	SW8260
1,3-Dichloropropane	ND	1	ug/L	03/06/06		R/J	SW8260
1,4-Dichlorobenzene	ND	1	ug/L	03/06/06		R/J	SW8260
2,2-Dichloropropane	ND	1	ug/L	03/06/06		R/J	SW8260
2-Chlorotoluene	ND	1	ug/L	03/06/06		R/J	SW8260
4-Chlorotoluene	ND	1	ug/L	03/06/06		R/J	SW8260
Benzene	ND	1	ug/L	03/06/06		R/J	SW8260
Bromobenzene	ND	1	ug/L	03/06/06		R/J	SW8260
Bromoform	ND	1	ug/L	03/06/06		R/J	SW8260
Bromomethane	ND	1	ug/L	03/06/06		R/J	SW8260
Bromodichloromethane	ND	0.5	ug/L	03/06/06		R/J	SW8260
Carbon tetrachloride	ND	1	ug/L	03/06/06		R/J	SW8260
Chlorobenzene	ND	1	ug/L	03/06/06		R/J	SW8260
Chloroethane	ND	1	ug/L	03/06/06		R/J	SW8260
Chloroform	ND	1	ug/L	03/06/06		R/J	SW8260
Chloromethane	ND	1	ug/L	03/06/06		R/J	SW8260
cis-1,2-Dichloroethene	ND	1	ug/L	03/06/06		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.5	ug/L	03/06/06		R/J	SW8260
Dibromochloromethane	ND	0.5	ug/L	03/06/06		R/J	SW8260

Client ID: ENRICO FERMI HIGH SCHOOL GP-1

Phoenix I.D.: AH05461

Parameter	Result	RL	Units	Date	Time	By	Reference
Dibromomethane	ND	1	ug/L	03/06/06		R/J	SW8260
Dichlorodifluoromethane	ND	1	ug/L	03/06/06		R/J	SW8260
Ethylbenzene	ND	1	ug/L	03/06/06		R/J	SW8260
Hexachlorobutadiene	ND	0.4	ug/L	03/06/06		R/J	SW8260
Isopropylbenzene	ND	1	ug/L	03/06/06		R/J	SW8260
m&p-Xylene	ND	1	ug/L	03/06/06		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1	ug/L	03/06/06		R/J	SW8260
Methylene chloride	ND	1	ug/L	03/06/06		R/J	SW8260
n-Butylbenzene	ND	1	ug/L	03/06/06		R/J	SW8260
n-Propylbenzene	ND	1	ug/L	03/06/06		R/J	SW8260
Naphthalene	ND	1	ug/L	03/06/06		R/J	SW8260
o-Xylene	ND	1	ug/L	03/06/06		R/J	SW8260
p-Isopropyltoluene	ND	1	ug/L	03/06/06		R/J	SW8260
sec-Butylbenzene	ND	1	ug/L	03/06/06		R/J	SW8260
Styrene	ND	1	ug/L	03/06/06		R/J	SW8260
tert-Butylbenzene	ND	1	ug/L	03/06/06		R/J	SW8260
Tetrachloroethene	ND	1	ug/L	03/06/06		R/J	SW8260
Toluene	ND	1	ug/L	03/06/06		R/J	SW8260
Total Xylenes	ND	0.5	ug/L	03/06/06		R/J	SW8260
trans-1,2-Dichloroethene	ND	1	ug/L	03/06/06		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.5	ug/L	03/06/06		R/J	SW8260
Trichloroethene	ND	1	ug/L	03/06/06		R/J	SW8260
Trichlorofluoromethane	ND	1	ug/L	03/06/06		R/J	SW8260
Vinyl chloride	ND	1	ug/L	03/06/06		R/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	104		%	03/06/06		R/J	SW8260
% Bromofluorobenzene	94		%	03/06/06		R/J	SW8260
% Dibromofluoromethane	98		%	03/06/06		R/J	SW8260
% Toluene-d8	122		%	03/06/06		R/J	SW8260

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller
Phyllis Shiller, Laboratory Director
March 13, 2006



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 13, 2006

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information

Matrix: WATER

Location Code: GEODSIGN

Rush Request:

P.O.#: 663-02

Custody Information

Collected by:

Received by: SW

Analyzed by: see "By" below

Date

Time

03/06/06

0:00

03/06/06

14:50

SDG I.D.: GAH05461

Phoenix I.D.: AH05462

Laboratory Data

Client ID: ENRICO FERMI HIGH SCHOOL GP-4

Parameter	Result	RL	Units	Date	Time	By	Reference
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Extraction of CT ETPH	Completed			03/06/06		O/D	3550/5030
Extraction for Pest (2 Liter)	Completed			03/06/06		O/D	3520MOD

TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	0.1	mg/L	03/07/06		JRB	M8100CT
Identification	ND		mg/L	03/07/06		JRB	M8100CT

QA/QC Surrogates

% n-Pentacosane	82		%	03/07/06		JRB	M8100CT
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Pesticides

4,4'-DDD	ND	0.1	ug/L	03/08/06		KCA	SW8081
4,4'-DDE	ND	0.1	ug/L	03/08/06		KCA	SW8081
4,4'-DDT	ND	0.1	ug/L	03/08/06		KCA	SW8081
a-BHC	ND	0.05	ug/L	03/08/06		KCA	SW8081
Aldrin	ND	0.05	ug/L	03/08/06		KCA	SW8081
b-BHC	ND	0.05	ug/L	03/08/06		KCA	SW8081
Chlordane	ND	0.3	ug/L	03/08/06		KCA	SW8081
d-BHC	ND	0.05	ug/L	03/08/06		KCA	SW8081
Dieldrin	0.25	0.02	ug/L	03/08/06		KCA	SW8081
Endosulfan I	ND	0.05	ug/L	03/08/06		KCA	SW8081
Endosulfan II	ND	0.1	ug/L	03/08/06		KCA	SW8081
Endosulfan Sulfate	ND	0.1	ug/L	03/08/06		KCA	SW8081
Endrin	ND	0.1	ug/L	03/08/06		KCA	SW8081
Endrin Aldehyde	ND	0.1	ug/L	03/08/06		KCA	SW8081
g-BHC (Lindane)	ND	0.05	ug/L	03/08/06		KCA	SW8081

Client ID: ENRICO FERMI HIGH SCHOOL GP-4

Phoenix I.D.: AH05462

Parameter	Result	RL	Units	Date	Time	By	Reference
Heptachlor	ND	0.05	ug/L	03/08/06		KCA	SW8081
Heptachlor epoxide	ND	0.05	ug/L	03/08/06		KCA	SW8081
Methoxychlor	ND	0.2	ug/L	03/08/06		KCA	SW8081
Toxaphene	ND	1.0	ug/L	03/08/06		KCA	SW8081
<u>QA/QC Surrogates</u>							
%DCBP (Surrogate Rec)	34		%	03/08/06		KCA	SW8081
%TCMX (Surrogate Rec)	110		%	03/08/06		KCA	SW8081
<u>Volatile Water</u>							
1,1,1,2-Tetrachloroethane	ND	1	ug/L	03/06/06		R/J	SW8260
1,1,1-Trichloroethane	ND	1	ug/L	03/06/06		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	03/06/06		R/J	SW8260
1,1,2-Trichloroethane	ND	1	ug/L	03/06/06		R/J	SW8260
1,1-Dichloroethane	ND	1	ug/L	03/06/06		R/J	SW8260
1,1-Dichloroethene	ND	1	ug/L	03/06/06		R/J	SW8260
1,1-Dichloropropene	ND	1	ug/L	03/06/06		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1	ug/L	03/06/06		R/J	SW8260
1,2,3-Trichloropropane	ND	1	ug/L	03/06/06		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1	ug/L	03/06/06		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1	ug/L	03/06/06		R/J	SW8260
1,2-Dichlorobenzene	ND	1	ug/L	03/06/06		R/J	SW8260
1,2-Dichloroethane	ND	1	ug/L	03/06/06		R/J	SW8260
1,2-Dichloropropane	ND	1	ug/L	03/06/06		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1	ug/L	03/06/06		R/J	SW8260
1,3-Dichlorobenzene	ND	1	ug/L	03/06/06		R/J	SW8260
1,3-Dichloropropane	ND	1	ug/L	03/06/06		R/J	SW8260
1,4-Dichlorobenzene	ND	1	ug/L	03/06/06		R/J	SW8260
2,2-Dichloropropane	ND	1	ug/L	03/06/06		R/J	SW8260
2-Chlorotoluene	ND	1	ug/L	03/06/06		R/J	SW8260
4-Chlorotoluene	ND	1	ug/L	03/06/06		R/J	SW8260
Benzene	ND	1	ug/L	03/06/06		R/J	SW8260
Bromobenzene	ND	1	ug/L	03/06/06		R/J	SW8260
Bromoform	ND	1	ug/L	03/06/06		R/J	SW8260
Bromomethane	ND	1	ug/L	03/06/06		R/J	SW8260
Bromodichloromethane	ND	0.5	ug/L	03/06/06		R/J	SW8260
Chlorobenzene	ND	1	ug/L	03/06/06		R/J	SW8260
Chloroethane	ND	1	ug/L	03/06/06		R/J	SW8260
Chloroform	ND	1	ug/L	03/06/06		R/J	SW8260
Chloromethane	ND	1	ug/L	03/06/06		R/J	SW8260
cis-1,2-Dichloroethene	ND	1	ug/L	03/06/06		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.5	ug/L	03/06/06		R/J	SW8260
Dibromochloromethane	ND	0.5	ug/L	03/06/06		R/J	SW8260

Client ID: ENRICO FERMI HIGH SCHOOL GP-4

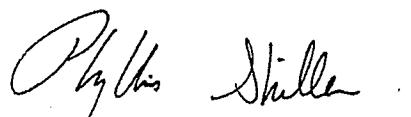
Phoenix I.D.: AH05462

Parameter	Result	RL	Units	Date	Time	By	Reference
Dibromomethane	ND	1	ug/L	03/06/06		R/J	SW8260
Dichlorodifluoromethane	ND	1	ug/L	03/06/06		R/J	SW8260
Ethylbenzene	ND	1	ug/L	03/06/06		R/J	SW8260
Hexachlorobutadiene	ND	0.4	ug/L	03/06/06		R/J	SW8260
Isopropylbenzene	ND	1	ug/L	03/06/06		R/J	SW8260
m&p-Xylene	ND	1	ug/L	03/06/06		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1	ug/L	03/06/06		R/J	SW8260
Methylene chloride	ND	1	ug/L	03/06/06		R/J	SW8260
n-Butylbenzene	ND	1	ug/L	03/06/06		R/J	SW8260
n-Propylbenzene	ND	1	ug/L	03/06/06		R/J	SW8260
Naphthalene	ND	1	ug/L	03/06/06		R/J	SW8260
o-Xylene	ND	1	ug/L	03/06/06		R/J	SW8260
p-Isopropyltoluene	ND	1	ug/L	03/06/06		R/J	SW8260
sec-Butylbenzene	ND	1	ug/L	03/06/06		R/J	SW8260
Styrene	ND	1	ug/L	03/06/06		R/J	SW8260
tert-Butylbenzene	ND	1	ug/L	03/06/06		R/J	SW8260
Tetrachloroethene	ND	1	ug/L	03/06/06		R/J	SW8260
Toluene	ND	1	ug/L	03/06/06		R/J	SW8260
Total Xylenes	ND	0.5	ug/L	03/06/06		R/J	SW8260
trans-1,2-Dichloroethene	ND	1	ug/L	03/06/06		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.5	ug/L	03/06/06		R/J	SW8260
Trichloroethene	ND	1	ug/L	03/06/06		R/J	SW8260
Trichlorofluoromethane	ND	1	ug/L	03/06/06		R/J	SW8260
Vinyl chloride	ND	1	ug/L	03/06/06		R/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	03/06/06		R/J	SW8260
% Bromofluorobenzene	109		%	03/06/06		R/J	SW8260
% Dibromofluoromethane	98		%	03/06/06		R/J	SW8260
% Toluene-d8	103		%	03/06/06		R/J	SW8260

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 13, 2006



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0828

QA/QC Report

March 13, 2006

QA/QC Data

SDG I.D.: GAH05461

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
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QA/QC Batch Sample No: AH03270 (AH05461, AH05462)

Pesticides - Aqueous

4,4'-DDD	ND			104	107	2.8
4,4'-DDE	ND			97	111	13.5
4,4'-DDT	ND			101	105	3.9
a-BHC	ND			111	120	7.8
Aldrin	ND			111	115	3.5
b-BHC	ND			97	94	3.1
Chlordane	ND					
d-BHC	ND			114	111	2.7
Dieldrin	ND			97	100	3.0
Endosulfan I	ND			66	63	4.7
Endosulfan II	ND			78	81	3.8
Endosulfan Sulfate	ND			100	103	3.0
Endrin	ND			124	128	3.2
Endrin Aldehyde	ND					
g-BHC (Lindane)	ND			120	117	2.5
Heptachlor	ND			131	105	22.0
Heptachlor epoxide	ND			121	109	10.4
Methoxychlor	ND					
Toxaphene	ND					

Comment: A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch Sample No: AH03682 (AH05461, AH05462)

TPH by GC (Extractable Products)

Aviation Fuel/Kerosene	ND					
Fuel Oil #2/ Diesel Fuel	ND			99	102	3.0
Fuel Oil #4	ND					
Fuel Oil #6	ND					
Motor Oil	ND					
Other Oil (Cutting & Lubricating)	ND					
Unidentified	ND					

Comment: A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch Sample No: AH05473 (AH05461, AH05462)

Volatiles Organics

QA/QC Data

SDG I.D.: GAH05461

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
1,1,1,2-Tetrachloroethane	ND	100			49	52	5.9
1,1,1-Trichloroethane	ND	103			101	109	7.6
1,1,2,2-Tetrachloroethane	ND	98			93	101	8.2
1,1,2-Trichloroethane	ND	98			99	103	4.0
1,1-Dichloroethane	ND	95			98	103	5.0
1,1-Dichloroethene	ND	103			99	106	6.8
1,1-Dichloropropene	ND	106			102	109	6.6
1,2,3-Trichlorobenzene	ND	103			81	110	30.4
1,2,3-Trichloropropane	ND	99			96	101	5.1
1,2,4-Trichlorobenzene	ND	107			99	115	15.0
1,2,4-Trimethylbenzene	ND	102			99	111	11.4
1,2-Dibromo-3-chloropropane	ND	103			120	109	9.6
1,2-Dichlorobenzene	ND	95			96	102	6.1
1,2-Dichloroethane	ND	99			103	106	2.9
1,2-Dichloropropene	ND	90			91	95	4.3
1,3,5-Trimethylbenzene	ND	103			99	111	11.4
1,3-Dichlorobenzene	ND	97			96	105	9.0
1,3-Dichloropropane	ND	98			101	104	2.9
1,4-Dichlorobenzene	ND	98			96	103	7.0
2,2-Dichloropropane	ND	89			98	103	5.0
2-Chlorotoluene	ND	103			100	112	11.3
4-Chlorotoluene	ND	101			98	108	9.7
Benzene	ND	98			99	107	7.8
Bromobenzene	ND	102			98	108	9.7
Bromochloromethane	ND	95			95	100	5.1
Bromodichloromethane	ND	111			112	119	6.1
Bromoform	ND	99			102	107	4.8
Bromomethane	ND	107			90	103	13.5
Carbon tetrachloride	ND	105			101	109	7.6
Chlorobenzene	ND	99			99	106	6.8
Chloroethane	ND	102			100	104	3.9
Chloroform	ND	99			100	105	4.9
Chloromethane	ND	107			99	103	4.0
cis-1,2-Dichloroethene	ND	94			99	104	4.9
cis-1,3-Dichloropropene	ND	102			107	110	2.8
Dibromochloromethane	ND	95			99	103	4.0
Dibromoethane	ND	97			101	105	3.9
Dibromomethane	ND	99			105	110	4.7
Dichlorodifluoromethane	ND	148			95	98	3.1
Ethylbenzene	ND	101			101	108	6.7
Hexachlorobutadiene	ND	98			83	100	18.6
Isopropylbenzene	ND	103			96	110	13.6

QA/QC Data

SDG I.D.: GAH05461

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
m&p-Xylene	ND	101			100	109	8.6
Methyl t-butyl ether (MTBE)	ND	103			56	55	1.8
Methylene chloride	ND	92			96	98	2.1
n-Butylbenzene	ND	100			99	106	6.8
n-Propylbenzene	ND	105			100	113	12.2
Naphthalene	ND	96			81	101	22.0
o-Xylene	ND	102			104	111	6.5
p-Isopropyltoluene	ND	100			99	108	8.7
sec-Butylbenzene	ND	105			96	110	13.6
Styrene	ND	104			208	225	7.9
tert-Butylbenzene	ND	105			99	113	13.2
Tetrachloroethene	ND	102			98	106	7.8
Toluene	ND	100			102	110	7.5
trans-1,2-Dichloroethene	ND	102			99	107	7.8
trans-1,3-Dichloropropene	ND	99			105	108	2.8
Trichloroethene	ND	101			100	110	9.5
Trichlorofluoromethane	ND	111			99	104	4.9
Vinyl chloride	ND	111			102	104	1.9
% 1,2-dichlorobenzene-d4	99	100			98	99	1.0
% Bromofluorobenzene	109	111			114	112	1.8
% Dibromofluoromethane	100	93			96	95	1.0
% Toluene-d8	105	103			101	102	1.0

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

Phyllis Shiller, Laboratory Director

March 13, 2006

APPENDIX 5
LIMITATIONS

LIMITATIONS

1. The purpose of this report was to assess the physical characteristics of the subject site with respect to the presence in the environment of hazardous material or oil. No specific attempt was made to check on the compliance of present or past owners or operators of the site with federal, state, or local laws and regulations, environmental or otherwise.
2. The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by Client. The work described in this report was carried out in accordance with the project's Statement of Terms and Conditions.
3. The conclusions and recommendations contained in this report are based in part upon the data obtained from a limited number of soil and/or groundwater samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until and if additional explorations are performed. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this report.
4. Water level readings have been made in the test pits, borings, and/or observation wells at the times and under the conditions stated on the test pit or boring logs. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.
5. The conclusions and recommendations contained in this report are based in part upon various types of chemical data and are contingent upon their validity. These data have been reviewed and interpretations made in the report. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, these data should be reviewed by GeoDesign, Inc., and the conclusions and recommendations presented herein modified accordingly.
6. The costs on which the preliminary remediation estimate is based are limited to those conditions that were discovered in carrying out the assessment of subsurface contamination identified in this report. Actual quantities and unit costs will vary. While the preliminary estimate represents our best professional judgment in this matter, it does not represent an absolute worst-case remedial cost estimate. The preliminary estimate includes only those cost items identified, and should not be assumed to include other costs such as legal, administrative or permitting costs.
7. The estimate is based on limited data which may not be sufficient to identify each and every condition existing at the site which may constitute noncompliance with applicable governmental statutes, rules, and regulations or constitute a release of oil or hazardous materials.
8. The preliminary estimate does not include any element with respect to third-party claims, fines, penalties, or other charges which may be assessed against any responsible party because of either the existence of present conditions or the future existence or discovery of any such conditions.

9. Governmental agencies' interpretations, requirements, and enforcement policies vary from district office to district office, from state to state, and between federal and state agencies. In addition, statutes, rules, standards, and regulations may be legislatively changed and inter-agency and intra-agency policies may be changed from present practices. **GeoDesign** has used its experience and judgment in making assumptions as to how anticipated changes in enforcement policies may affect remediation costs.
10. This report contains approximate cost estimates for purposes of evaluating alternative remedial programs. These estimates involve approximate quantity evaluations. A preliminary estimate of this nature is likely to vary substantially from Contractors' Bid Prices and is not to be considered the equivalent of nor as reliable as Contractors' Bid Prices. Prices for similar work undertaken in the future will be subject to general and sometimes erratic price increases. The costs of future environmental, technical, and engineering services which may be required to implement any corrective action or remediation or installation of any systems cannot be accurately estimated.
11. It is recommended that **GeoDesign** be retained to provide engineering services during final design, construction and/or implementation of any remedial measures recommended in this report. This is to allow **GeoDesign** to observe compliance with the concepts and recommendations contained herein, and to allow the development of design changes in the event that subsurface conditions differ from those anticipated.